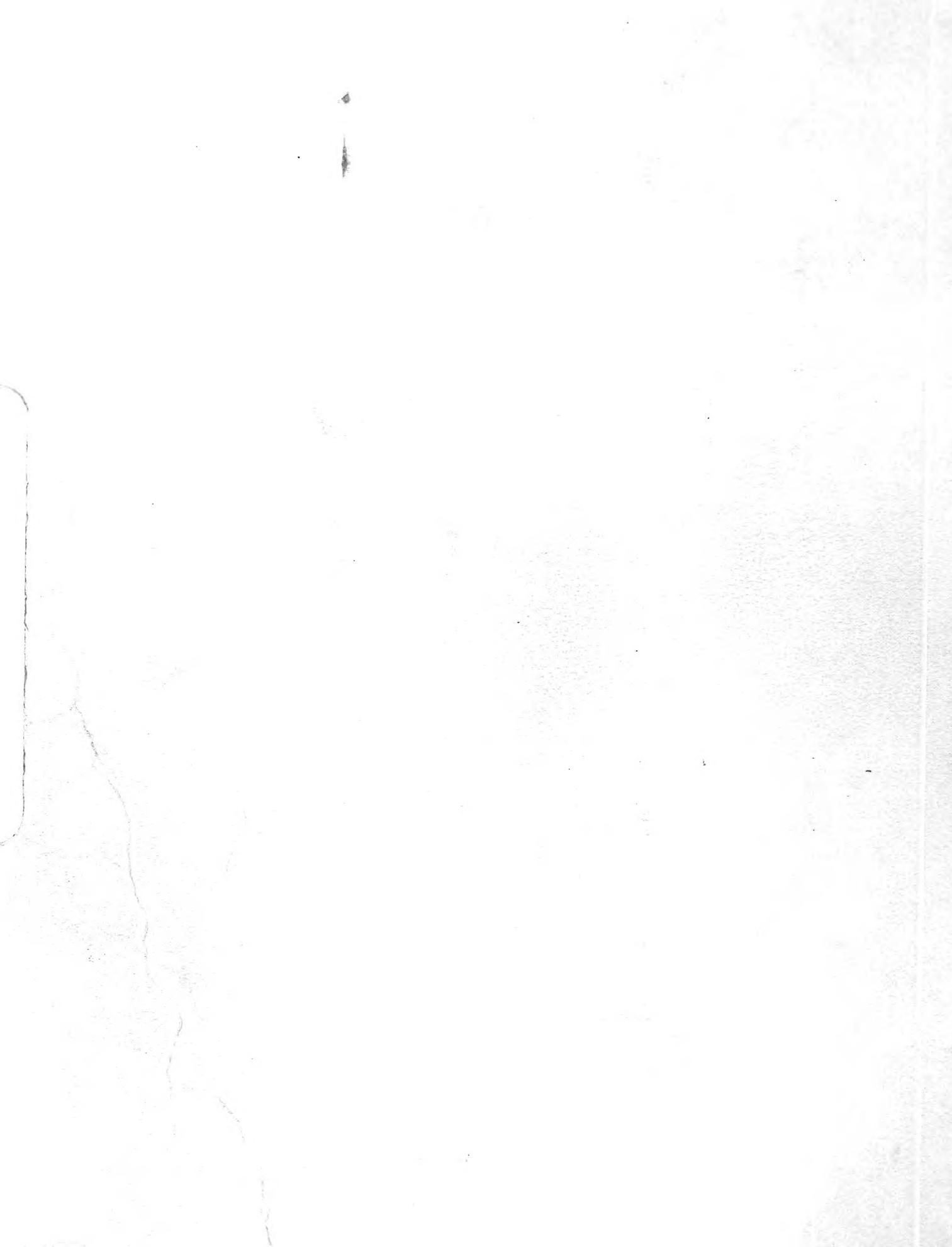


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Vaughan's MID-SUMMER OFFER June 1946
CHICAGO, 601 W. JACKSON BLVD.—NEW YORK, 47 BARCLAY ST.

"SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

Greenhouse Snapdragons are one of the major crops with the average grower. They are varieties which have been developed through breeding, plant selection and first cross hybrids. There are mainly three classes, early, intermediate and spring flowering. The early varieties will flower much better in the north during winter months under low light intensity and low temperatures, whereas planted in the south with more light they set buds earlier, and do not make as large a spike. Second, early or intermediates are fairly good for winter, but better after "Mums", and the late or spring flowering varieties which are stronger growing, and more vegetative, should be used only after "Mums" for their larger spikes. First sowings are generally made between June 10th and July 10th, and selection of varieties made according to locality, and climatic conditions. Sowing of seed in summer should be done in the coolest, and shadiest spot available, and with good circulation of air. The soil for growing should be porous, and well drained. Raised benches are preferable to ground beds for winter crop. High nutrition, especially nitrogen, and water combined during the dark days should be avoided as the results will be soft growth, and off-colored shattery flowers. For spring flowering after "Mums" when later and stronger growing varieties are used, ground beds may be used to better advantage, for with lengthening days and higher temperatures there are better growing conditions. Early varieties usually are planted 7 x 8 in. and the later and heavier sorts 8 x 8 in.

In the early pink and rose shades, **Christmas Cheer** is the finest rose pink. **Dorcas Jane**, illustrated in color on the cover, is a beautiful light pink, slightly larger flower than Mary Ellen and a little earlier. Has a clean habit of growth, and fine long spike. **Maryland Pink** and **Mary Ellen** are excellent light pinks. **Better Times** is a deep American Beauty rose. These five are first cross hybrids from known parentage, excellent early varieties and coppers. **Yoder's No. 33** a medium rose pink of Mary Ellen type. **Rose Pink Cheviot**, **Radiance** and **Ball's Early Pink** are also in the early pink class.

In the next or intermediate type, the most popular are the old standby, **Cheviot Maid Reselected**, **Delworth Supreme**, a Cheviot Maid selection, **Rose Queen**, **Gilbert's Pink Supreme**, **La France** and **Daybreak**. Most of this group can be planted for winter flowering but the early sorts are more productive in our latitude during the dark winter days.

For after "Mums" **Peggy Schumann** is a fine rose with heavy stems and fine spikes, as is **Light Pink Peggy**, a new comer this year. **Schaffroth's Pink** is another. **Marie Louise** and **St. Louis Pink** are fine light pinks. **America**, **New Cincinnati** and **Terry's Surprise** fit in here.

Due to greatly increased costs we regret that we cannot make group prices or quantity discounts on Snapdragons.

Varieties followed by (X) are sold in $\frac{1}{2}$ trade pkts. at 60c each. Varieties preceded by a star (*) are best for early winter flowering.

BRONZE SHADES

	Trade pkt.
Afterglow . Golden bronze Spring flowering X	\$1.00
Bronze Peggy Schumann . Same type as other Schumann varieties but flowers earlier than Pink Peggy.....	2.00
Bronze Christmas Cheer (Schlegel). A bright copper hood with lower part shading from deep gold to apricot. Well placed 1 $\frac{3}{4}$ to 2 inch individual florets. No grassy growth....	2.00
Gilbert's Bronze Beauty . This variety is early flowering; seed sown in July blooms in November through Spring. Flowers have upper lips of dark brown with lower lips yellowish bronze.....	1.50
Glorious (Frank). A highly attractive reddish copper with yellow lip. Popular in Chicago retail trade. Early flowering, none quicker on a comeback after first crop is off.....	1.00
Ideal Improved (Hodaly). A blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Winter-flowering strain, blooming in four months from seed.....	1.50

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seed, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage to the crop.

610 West Jackson Boulevard, CHICAGO 6

47 Barclay Street, NEW YORK 7

In the early whites, **Koester's White** and **White Wonder Improved** are early pure whites, the latter slightly heavier. **Margaret**, a fine winter blooming white, of fine long spike having same type growth as **Mary Ellen** pink, only slightly earlier and closer set ivory white spike. **Schlegel's White** is another early white with a fine tapering spike. Next in earliness are **Feist's White**, a true sport of **Cheviot Maid Pink**, and **Peace**, a fine pure white, larger than **White Wonder**. **Lucky Strike Improved**. Popular pure white, grows three to four feet with full spike of flowers. Blooms earlier than the original; does not drop or shatter. Grown by many for early, midseason and late. See illustration in color or cover page. **Early Westover Fringed White** is a selection of this late sort. For after "Mums" or Spring Flowering, **Marion White**, **Snow White**, **Schaffroth's White**, and the new comers **White Peggy Schumann** and **Junglewood White** will find favor.

In the yellows the earliest are **Yellow Wonder**, **Ceylon Court**, which is heavier and darker, and **Goldie** which resembles a shorter Ceylon Court. **Schlegel's Yellow** produces a good spike, although very light in color. **Frances Schlegel** is a much deeper yellow. **Gilbert's Yellow**, illustrated in color on the cover and another new comer, fits in here and has a sturdy stem and free branching habit, topped by a quality spike. **Carol Jean** has a larger flower and is slightly lighter than **Ethel** which remains the most popular yellow on the market although a little later. To follow "Mums" are **Sunray**, **Yellow Peggy Schumann**, **Coate's Yellow**, **Klondyke Supreme** and **Junglewood Yellow**, a new variety.

In the bronzes, the earliest are **Lady Dorothy**, a new reddish bronze which is finding favor, **Suntan** and **Sunlite**, the latter being lighter in color. **Afterglow**, which is slightly later and heavier, still is very popular. **Gilbert's Bronze Beauty** fits in here with its long spike. **Bronze Christmas Cheer**, not as early as its name implies, is an open pollinated variety of heavier growth. **Talisman** a nearly all double, slight of growth, is a retail novelty, an early bloomer. For after "Mums" there are **Glorious**, **Ideal Improved**, **Miss Wooster** and **Bronze Peggy Schumann** this year.

For after "Mums", **Velvet Supreme**, a scarlet crimson, and longer spiked **Velvet Beauty** are popular, being joined by a new comer, **Schumann's Velvet Red**.

In the lilacs or lavenders, **Windmiller Lilac** is the earliest although not a winter producer. **Bertha Baur**, **Ball Lavender** and **Schumann's Lavender**, the most popular variety, are later and to be planted after "Mums" as probably all in this class should.

Lady Dorothy . Red-bronze with a glowing quality under Trade light. The color is somewhat similar to Glorious, but it is a true winter-flowering variety. Awarded a Silver Medal by the New York Florists' Club	\$3.00
Miss Wooster . The color is a dazzling rich dark bronze. It is an ideal shipping variety	1.00
*Sunlight . Improved Suntan, finest early golden bronze X ..	1.00
*Suntan . Rose shade of tan with tinge of yellow on lip. Early blooming X	1.00
Talisman (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination	2.00

PINK AND ROSE SHADES

America (Hodaly). Brilliant rose pink with orange lip, blending into pure lemon. The heads are sixteen to twenty- five inches long, carrying well set, large florets	1.50
Ball's Early Pink . Rose pink similar to Radiance	1.00
*Better Times (Windmiller). A real American Beauty Rose red. It is a first cross like Christmas Cheer but a deeper color. Excellent for Christmas and Valentine's Day	2.00
Cheviot Maid . Reselected. Deep rose-pink X	1.00
*Christmas Cheer (Windmiller). Conceded the best early pink. Fine spike, excellent for Christmas and comes back for second and third crops	1.75
Daybreak . Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer X	3.00
	1.00

This List Cancels All Previous Offers

Cash Discounts on Flower Seeds: On all orders for flower seeds, except Cyclamen seed which is net, totaling less than \$25.00 5%, and over \$25.00; 8% may be deducted if cash is enclosed.

"SNAPS" For Greenhouse Forcing—Cont'd**PINK AND ROSE SHADES—Continued**

Delworth's Supreme. A Canadian introduction by the well known grower Cecil Delworth. It is a selection of Cheviot Maid made or a period of ten years for earliness and uniformity. Single plant selections every year keep the strain consistent..... \$1.50

Dorcas Jane (Yoder). Light pink slightly larger flower than Mary Ellen and shade deeper and a little earlier. With a clean habit of growth and outstanding vigor. On display at the Ohio State University Short Course in January 1945, Dorcas Jane received very favorable comment from growers. See illustration in color on front cover..... 1,000 seeds \$1.50 (2,000 seeds)

Gilbert's Pink Queen Supreme. This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads.....

La France (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem.....

Light Pink Peggy Schumann. Blooms a little earlier than the darker variety.....

Marie Louise. Beautiful sea-shell pink. Strong and free branching, producing long strong stems with compact flower spikes, with flowers closely set.....

***Mary Ellen** (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets.....

***Maryland Pink** (Winkler). Early, light pastel pink. Large flowers..... $\frac{1}{2}$ trade pkt., \$1.75

New Cincinnati (Witterstaetter). The finest light rose X.....

Peggy Schumann Pink. A large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots.....

Radiance. Early rose pink.....

***Rose-Pink Cheviot Supreme.** Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January.....

Rose Queen. Dark pink X.....

Schaffroth's Pink. A beautiful soft rose pink. Early flowering. Also may be grown as a second crop which will be in fine flower for Mothers' Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop.....

St. Louis Pink (Rowe). Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Sow early. Spring bloomer.....

Terry's Surprise, Improved. Pink and bronze shades, late..

Yoder's No. 33. One of the parents of Mary Ellen is uniform light pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit.....

RED

Schumann's Velvet Red is a true dark red velvet, an early bloomer.....

Velvet Beauty. Rich American Beauty crimson.....

Velvet Supreme. A rich velvety scarlet crimson.....

LAVENDER

Ball's Lavender. A rich lilac lavender, fine spike and long stemmed.....

Bertha Baur. Standard lavender.....

Schumann's Lavender. Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes.....

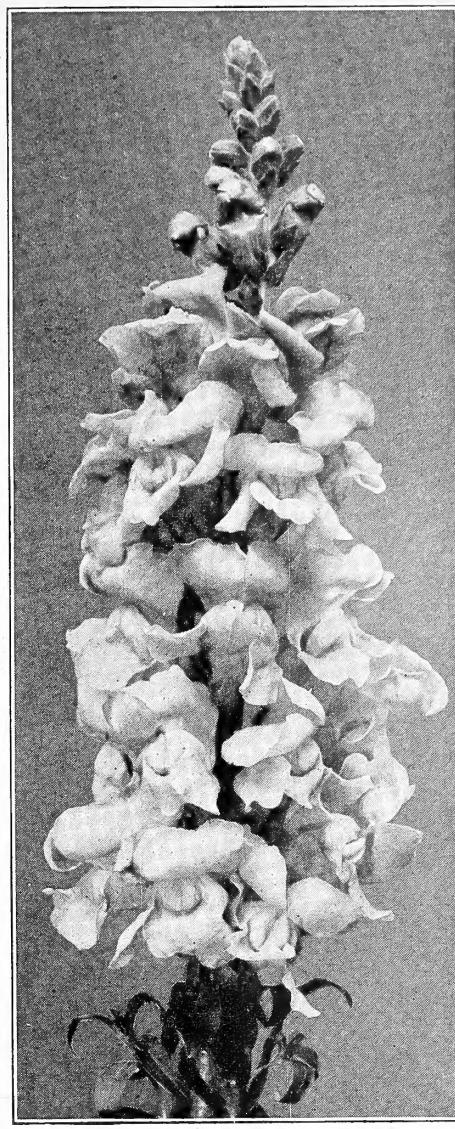
***Windmiller's Lilac.** Excellent orchid, true to type and color, early, hard wiry stems, small foliage, productive. Earliest in this color.....

WHITE

Feist's White (West Hills). A true sport of Cheviot Maid. Clear white with a touch of yellow on the lip. Spacing excellent.....

Junglewood White (Junglewood Greenhouses). Dazzling white; deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets; a shatterproof quality, which permits an unusual number of flowers to be open before cutting..... $\frac{1}{2}$ Trade pkt., \$1.25

***Koester's White.** It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers..... \$1.50



CHRISTMAS CHEER

WHITE Varieties—Continued

***Lucky Strike Improved.** Popular pure white, grows three to four feet with full spike of flowers. Blooms earlier than the original; does not drop or shatter. See illustration in color on cover page..... \$1.50

Margaret (Yoder) is a winterblooming ivory white, whiter than the old Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size. The florets last a long time and do not shed.....

Marion White (Schumann). A real white, large close flowering spike on a strong, sturdy stem, throwing small foliage..

Peace (Ball). Large closely set florets of the pure white on long, wiry stems. The unusually rich dark green foliage contrasts vividly with the snowy whiteness of its flowers.....

Schaffroth's White. Pure white. Midwinter blooming from July sowing. Produces 12 to 14 spikes per plant within a cropping period of four to five weeks.....

Schlegel's White. Early and vigorous grower for early and late planting.....

Snow White (Windmiller). Late white for Easter and Mothers' Day. A glorious white for weddings and church decorations. Stately spikes of white on long stems.....

Westover's Fringed Early White (Windmiller). An early development of Westover's Fringed White—an ideal wedding bouquet white—good early or late.....

White Peggy Schumann. Has the same characteristics of the popular Pink Peggy but blooms earlier.....

White Wonder, Improved. Longer and better stems with flowers well placed—keeping the pure white color of original.....

Trade
pkt.

\$1.50

2.00

1.50

1.50

1.50

1.50

1.50

1.50

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1.50

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1.50

"SNAPS" For Greenhouse Forcing—Cont'd

YELLOW

	Trade pkt.
Carol Jean (Dornacher). A shade lighter than Ethel. Has no wild growth whatever. Will not shatter.....	\$2.00
* Ceylon Court. Dark Selection. Canary yellow. Our introduction X.....	1.00
Coate's Yellow Perfection. Deep golden yellow. Spring flowering X.....	1.00
* Ethel. Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof.....	1.50
Frances Schlegel. In color a golden daffodil yellow, retaining color under any weather conditions; a good stem with no excess grassy growth and an excellent producer (averages five spikes to a plant). This variety received a silver medal at the New York Florists' Club this winter. 1946 Introduction.....	2.00
Gilbert's Yellow. Bright yellow. Sown July 1st and pinched September 15th, will start to bloom in November and blooms the whole season. Gives a high percentage of first grade flowers. See illustration on front cover.....	2.00
Goldie (Windmiller). Deep early yellow.....	1.50
Junglewood Yellow. 1946 Introduction. Large rich yellow flower. Vigorous, strong grower. Exceptionally heavy spike and stem. Midseason blooming. Remarkably free of side growth, non-shattering. Height about four feet. Awarded Exhibition Gold Medal Certificate at January meeting New York Florist Club.....	1/2 Trade pkt. \$1.25
Klondyke Supreme. Deep intense golden yellow with extra large individual florets.....	2.00
Schlegel's Yellow. Early and vigorous grower for early and late flowering.....	1.00
Sunray. Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth.....	1.50
Yellow Peggy Schumann. Has all the characteristics of Pink Peggy. Earlier and far superior to the old Schumann Yellow.....	2.00
* Yellow Wonder Early and free flowering. Has a good stiff stem, a fine commercial variety.....	1.50
Greenhouse Varieties Vaughan's Special Mixture. With pinks predominating.....	1.00

Asparagus

Plumosus Nanus. (Lath House grown.) Carefully harvested, hand picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, \$1.80; 5000 seeds, \$8.00; lb., \$15.00.	
Sprengeri. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, \$1.80; 5000 seeds, \$8.00; lb., \$15.00.	

Aster

New Tilford Wilt Resistant Strain. This is of the Royal type in the following colors: Purple, Rose, Shell pink and White and will be supplied after harvest of 1946 at \$1.50 per Tr. pkt. We are booking orders now for delivery at that time.

Begonias—Fibrous-Rooted

Pink Pearl. This variety is not available this year. We suggest Adeline as substitute.

Red Pearl. As this variety is not available this year, we recommend King of the Reds instead.

Gracilis Adeline (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. Same color and dwarf habit as Pink Pearl.....

Carmen. Bright rose flowers, bronze foliage.....

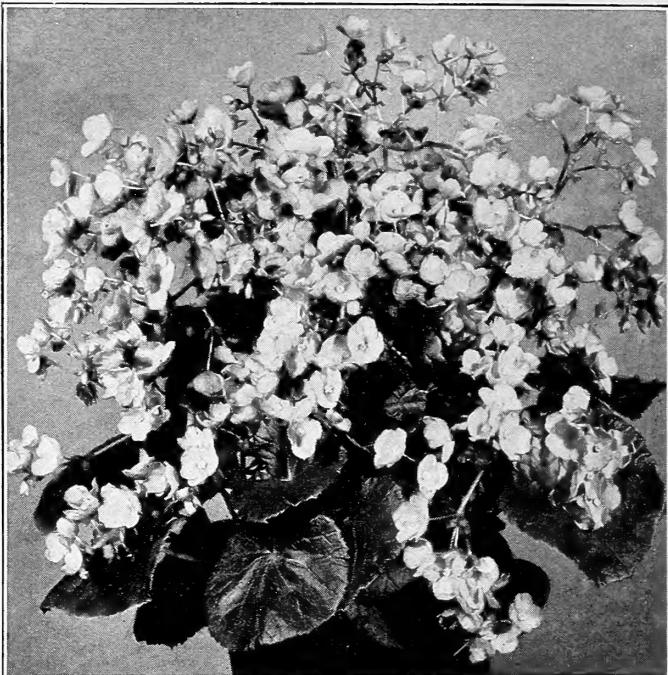
Dwarf Luminosa. Bright scarlet, free flowering. Excellent pot plant.....

Fireball. Fiery crimson. 10 in.....

Bois de Vaux Rose. Vivid rose, floriferous pyramidal growth, green metallic foliage, decorated with narrow red border, compact, upright.....

Illusion. Is a masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. 10 to 12 in.....

Trade
pkt.
\$1.00
1.00
1.00
1.00
1.00
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1.00



BEGONIA SEMPERFLORENS MASTERPIECE

BEGONIA Gracilis—Continued

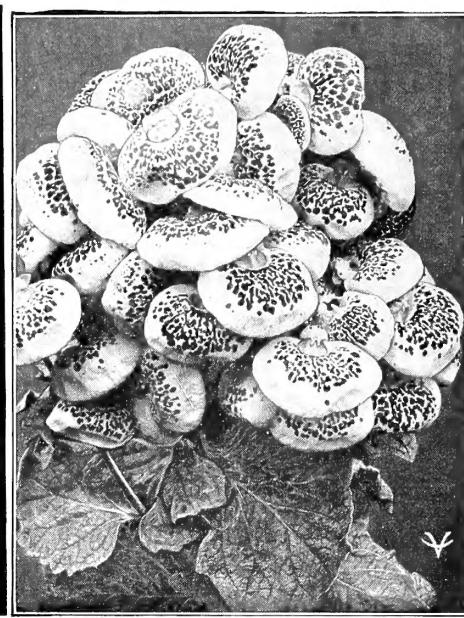
	Trade Pkt.
Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage.....	1/4 oz., \$2.50
Luminosa. Deep dark scarlet flowers, foliage reddish brown. 10 in.....	1/4 oz., \$2.50
Prima Donna. Limpid rose, shading to carmine, most beautiful. 10 to 12 in.....	1/4 oz., \$2.00; 1/2 oz., \$3.50
White Pearl. White. 10 in.....	1.00
Christmas Cheer Red. A very large-flowered variety, color dark crimson-scarlet.....	1/4 oz., \$2.00; 1/2 oz., \$3.50
Christmas Pink. Identical to above variety only the color is a delightful shade of warm rose-pink.....	1/4 oz., \$2.00; 1/2 oz., \$3.50
Semperflorens Elegance. The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, foliage clear green.	1.00
Enchantress. Fresh rose color.....	1/4 oz., \$2.50
Fire Sea. (Blaze of Fire). Fiery red flowers, green foliage. 8 in.....	1/4 oz., \$2.25; 1/2 oz., \$4.00
Ille de France. The best white. The foliage is light green. The flowers are 1 1/4 in. to 1 1/2 in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day.....	1/4 oz., \$2.00
King of the Reds. Very dwarf, glowing scarlet, foliage, green edged bronze. Same color and habit of Red Pearl.....	1/4 oz., \$2.50; 1/2 oz., \$4.50
Masterpiece. One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage.....	1/4 oz., \$2.25; 1/2 oz., \$4.00
Rose Queen. Abundant carmine rose flowers, like Glore de Lorraine, splendid plant for pots.....	1.00
Salmon Queen. Large salmon red flowers; dark leaved.	1.00
Scandinavia Pink. An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering.....	1.00
Scandinavia Red. Like the above except in color.....	1/4 oz., \$2.75
Snow. Pure white blossoms; green foliage.....	1/4 oz., \$2.00; 1/2 oz., \$3.50
Winter Romance. Carmine rose, green foliage.....	1/4 oz., \$2.25; 1/2 oz., \$4.00
Special Mixture for pots and bedding.....	1/4 oz., \$1.50; 1/2 oz., \$2.50



CALCEOLARIA Hybrida Grand. Triumph



CALCEOLARIA Flower Cloud



CALCEOLARIA Grandiflora Extra Choice Mixed

Vaughan's Calceolaria

These Make Wonderful Plants for Easter or Mother's Day
For Calceolarias, use a mixture of loam, leafmold and sharp sand. This mixture is suitable both for the seed pans and the pots into which the seedlings, when ready, should be planted. Perfect drainage is important. Calceolaria seed being very fine the seeding should be done with great care and it is suggested that one use a sheet of white paper on which a tablespoon of white sand is distributed. Then shake the seed on top of this sand and mix thoroughly. Then, sprinkle this mixture on the soil of the seed pan, dusting surface with a little fine sand, cover with a sheet of glass and place in the shade. For moisture, immerse the pans in water. As the seedlings come up lift them carefully when quite small and prick them off into a flat allowing two inches square for each plant. It is important that the leaves of one plant should never be allowed to overlap those of another or decay will probably result. When established in pots shift them into the larger size. At the last shift give them some manure water, not too strong, about once a week.

Calceolaria Hybrida

Hybrida Grandiflora Triumph Strain. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. Produces bushy, shapely plants with clean foliage..... \$1.25

Hybrida Grandiflora Mixed. Extra Choice. Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties $\frac{1}{2}$ oz., \$4.40; $\frac{1}{4}$ oz., \$2.40 1.00

Hybrida Multiflora Nana. Mixed. The average size of the blooms is only $1\frac{1}{2}$ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make well shaped bushy stock..... $\frac{1}{128}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.80 1.00

Dwarf Tigered or Spotted. Various spotted shades of red and rosy bronze... $\frac{1}{4}$ oz., \$2.50; $\frac{1}{2}$ oz., \$4.50 1.00

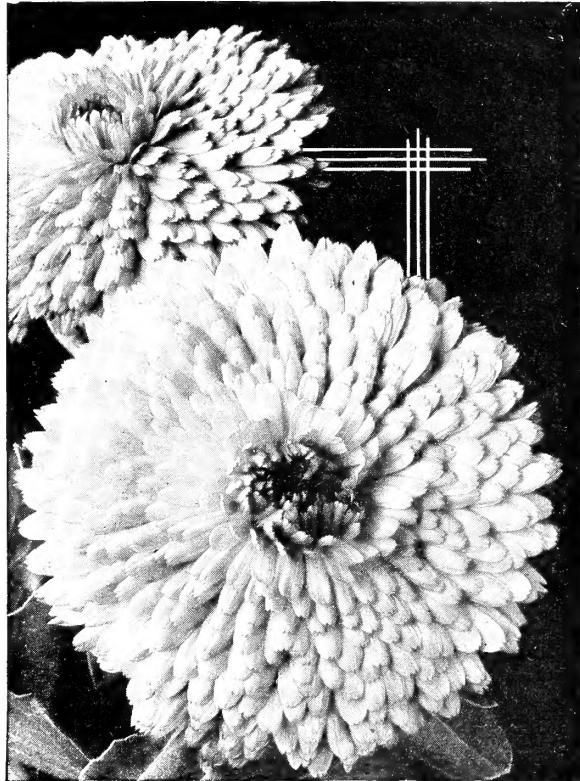
Grandiflora, "Flower Cloud." This is a cross between the C. Regusa and Grandiflora. The most free blooming Calceolaria, in all colors. Of a very vigorous growth and resistant against weather influences. Leaves are rather elastic, like those of the Regusa. 1.50

Calendula—FORCING VARIETIES

Sensation, Vaughan's Improved (Campfire). Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. 2 oz., \$3.50; $\frac{1}{4}$ oz., 60c \$0.40 \$2.00

Ball Apricot. Light straw or buff color with dark center..... 2 oz., \$3.50; $\frac{1}{4}$ oz., 60c .40 2.00

Ball Gold, Light center. Has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange Improved..... $\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 .40 2.00



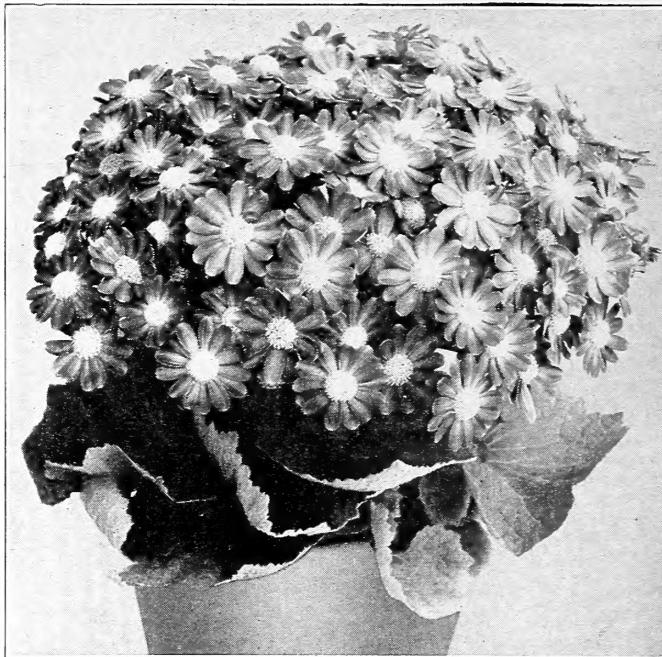
CALENDULA VAUGHAN'S IMPROVED SENSATION

CALENDULA—Continued

	Trade pkt. Oz.
Ball Lemon Queen. Dark center	$\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 \$0.40 \$2.00
Ball Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. $\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 .40 2.00	
Ball Long Orange. Long-stemmed, light center, clear orange..... $\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 .40 2.00	
Ball's Orange Improved. Rich orange, light center. Petals slightly notched..... $\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 .40 2.00	
Ball Masterpiece. Extra long-stemmed, deep orange-brown center..... $\frac{1}{4}$ oz., 60c; 2 oz., \$3.50 .40 2.00	
Ball White (Moonlight). A beautiful soft cream yellow..... $\frac{1}{4}$ oz., 60c .40 2.00	
Vaughan's Special Mixture for greenhouse forcing..... $\frac{1}{4}$ oz., 50c .35 1.50	



CANDYTUFT Giant Hyacinth-Flowered White Select



CINERARIA Multiflora Nana Gold Center

Candytuft

Giant Hyacinth-Flowered Pure White Select. Trade pkt. Oz. This is a superior strain; it grows about $1\frac{1}{2}$ feet high, with enormous trusses of blooms. The best strain in existence for florists' use.....4 oz., \$2.60; lb., \$8.00 \$0.20 \$0.80

Candytuft Umbellata 12 in.

Alba. White.	Purpurea. Crimson.
Carminea.	Rose Cardinal. Rose-pink.
Flesh. Pink.	Vaughan's Special Mixed.
Lilacina. Lilac.	
Each of above.....	Trade pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.60

Successive plantings of the above give flowers all summer. May be sown late in Fall in Tulip beds.

For Candytuft Gibraltalica Semperflorens, see Perennial Pages.

Chinese Forget-Me-Not

Cynoglossum Amabile, Blue Bird. A lovely plant	Tr. pkt.	Oz.	
18 to 24 inches tall, with bright blue flowers. Makes			
wonderful cut flower material.....	$\frac{1}{4}$ oz., 30c	\$0.15	\$1.00
Amabile. Fairy Blue. Attractive deep Cambridge			
or azure blue.....	$\frac{1}{4}$ oz., 25c	.15	.80
Firmament. A compact variety of bushy, growth,			
15 to 18 inches tall. Smothered with rich dark			
blue flowers.....	$\frac{1}{4}$ oz., 35c	.20	1.20

Clarkia Elegans Fl. Pl.—2 ft.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Grow on in flats or shallow raised bench.

Albatross. Pure white.	Salmonea Perfecta. True salmon, extra double.
Purple Prince. Rich purple.	Scarlet Queen.
Rosy Morn. Beautiful rose color, very double.	Vaughan's Special Mixture.
Each of above. Trade pkt., 15c; $\frac{1}{4}$ oz., 30c; oz., \$1.00.	

Easter 1947 is April 6th.

The date of Easter falls invariably on the first Sunday after the first full moon occurring on or after March 21.

CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

We were the introducer of this magnificent strain several years ago. It is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers.

$\frac{1}{32}$ oz., \$3.50; $\frac{1}{16}$ oz., \$2.00; 500 seeds, 60c; 1000 seeds, \$1.00.

Cineraria Hybrida

Vaughan's Columbian Mixture. Contains the best Trade pkt. Oz. large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant....

$\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50; 1000 seeds \$1.00

Cremer's Improved Prize Strain. Originator's Packet..... 1.50

Cremer's Prize Mixture. Re-selected. Somewhat taller and larger flowered than Multiflora Nana $\frac{1}{64}$ oz., \$2.20; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50 1.50

Howard and Smith's Strain. Mixed. A very fine selection from a California specialist..... 1.00

Vaughan's Special Mixture of Cremer's, Siter's and Gold Center. $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75 1.00

Multiflora Nana. Mixed, all colors..... $\frac{1}{64}$ oz., \$1.60; $\frac{1}{32}$ oz., \$3.00 1.00

Potsdam Strain. Mixed (Berlin Market or Weissensee). American grown seed. The plants are taller and flowers larger than Cremer's..... $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00 1.00

Siter's Rainbow Strain. Mixed. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's..... $\frac{1}{16}$ oz., \$8.00; $\frac{1}{8}$ oz., \$4.50; $\frac{1}{4}$ oz., \$2.50 2.00

Star Cineraria. (Cineraria Hybrida Polyantha). Feltham Beauty. Fine small flowering variety for cutting and decorative purposes, nearly all have white centers. 2 ft..... 1000 seeds .75



HOUSE OF CYCLAMEN PLANTS GROWN FOR SEED FOR VAUGHAN'S SEED STORE

Cyclamen—*Persicum Giganteum*

NOTE Our Cyclamen seed has been grown by experienced American and European growers who have specialized in this item for years.

Cyclamen prices are net. 250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate.

	100 seeds	1000 seeds
Beardse's Wonder. Salmon with white border. Strong grower, of compact habit. Very profuse bloomer.	\$2.25	\$20.00
Bonfire. Brilliant salmon.	2.25	20.00
Bright Red.	1.75	16.00
Dark Blood Red.	1.75	16.00
Lavender.	1.75	16.00
Mozart. Deep pink.	1.75	16.00
New Ruffled, Mixed.	2.30	21.00
Orange Beauty. Orange vermillion.	2.30	21.00
Pink Pearl. Salmon-pink.	2.30	22.00
Pure Rose.	1.75	16.00
Pure White.	1.75	16.00
Saffron Red Silver Edge.	2.50	22.00
Salmon Scarlet (America Improved).	2.30	20.00
Salmon-Rose Improved.	2.25	20.00
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf).	2.20	18.00
Salmon Light (Rose of Zehlendorf).	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal).	1.75	16.00
White with Carmine Eye.	1.75	16.00
Vaughan's Florist Mixture	1.75	15.00

Double Cyclamen

This strain comes about 80% true from seed.

Admiration. A beautiful salmon-rose with shaded eye.

Cerise Brilliant. A good Christmas red.

Coral Pink with mulberry eye.

Fluffy White with pink eye.

Orchid Pink. A distinct new shade.

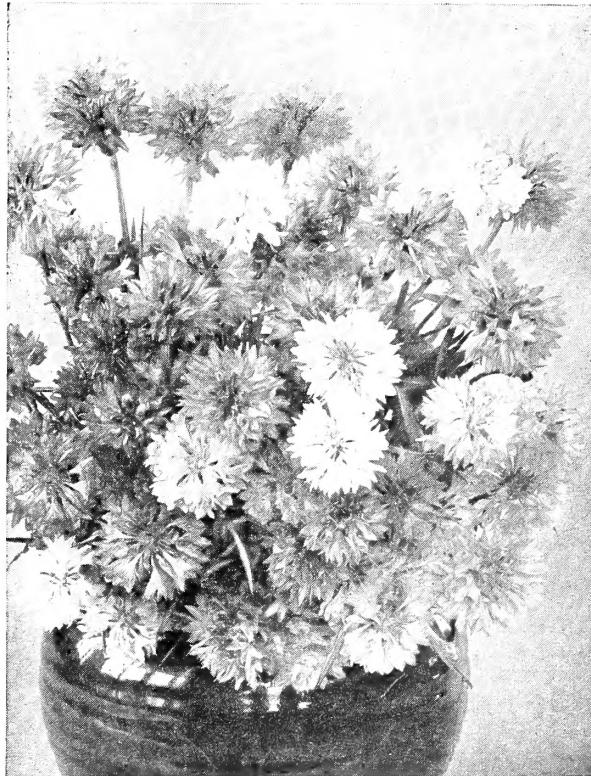
Prosperity. An azalea type, flaming rose color.

Rosea. A soft rose with a coral cast, shading lighter at petal tips.

Double Mixed.

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00.

Cyclamen flowers keep well when cut, if you make an incision lengthwise into the lower part of the stem with a sharp knife and put flower stems immediately into water.



CENTAUREA Cyanus Super Giant Double Mixture

Centaurea

SUPER GIANT CENTAUREA CYANUS (Cornflower)

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

Black Boy. Blackish maroon.

Blue Boy. Rich deep blue, very large flowers.

Pinkie. Deep pink. Red Boy. Deep red. Snowman. Best white.

Vaughan's Mixture of Super Giant New Varieties Mixed.

Each of above, Trade pkt., 15c; oz., 45c; 4 oz., \$1.45; lb., \$4.50.

May also be sown out of doors just before freezing for early spring blooming.

Didiscus Coeruleus

Vaughan's Improved Wilt-Resistant Blue Lace Flower

An improved variety with flowers of a deeper blue and half again as large as the original type. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter. Plant in spots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart, does not transplant well. Not over Carnation temperature needed.

Trade pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; oz., \$6.00.

DRACAENA Indivisa. Narrow green leaves..... Trade pkt. Oz. $\frac{1}{4}$ lb., \$1.50; lb., \$5.00 \$0.15 \$0.50



EXACUM, Affine

EXACUM Affine

Beautiful greenhouse pot plant, producing sweet scented bright mauve flowers. Flowering within 6 months from sowing. Height 9 inches. Trade pkt., \$1.00.

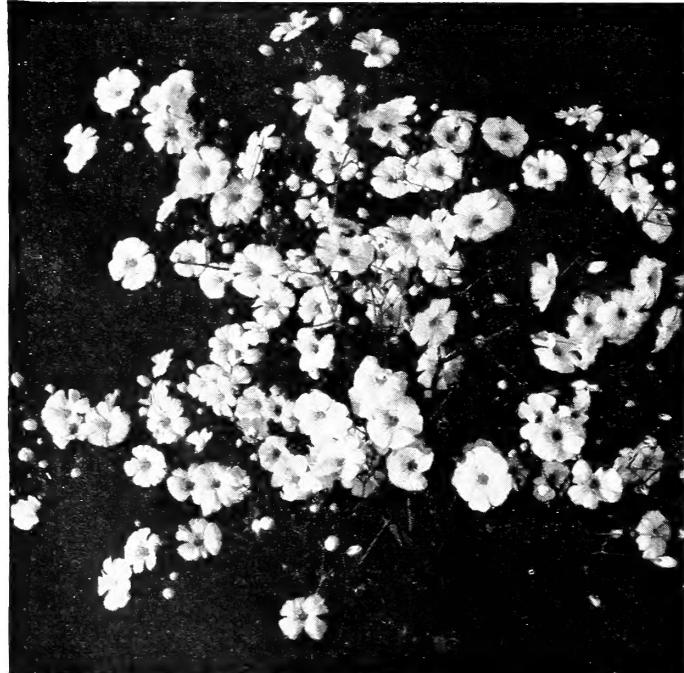
Freesias

Sow seed in cold frame in early summer, covering with sash for about three weeks or until plants are up, gradually removing sash so plants become accustomed to air. The bulbs can be lifted by the middle of September. They will bloom during the late winter with nice large blooms and long stems. 1 oz., contains about 1000 seeds.

Freesia Refracta Alba Pura. Pure white. Trade pkt., 50c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.00.

Rainbow hybrids. Attractive mixture including shades of blue, lavender and yellow. Trade pkt., 35c; $\frac{1}{4}$ oz., 80c; oz., \$3.00.

Golden Daffodil. Clear light yellow with orange blotch. Trade pkt. 50c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.00.



GYPSOPHILA Elegans Grand. Alba. London Market

GYPSOPHILA. Elegans Grandiflora Alba, London	Trade pkt.	oz.	
Market. Special Florist Strain. $\frac{1}{4}$ lb., 75c; lb., \$2.25			\$0.25
Carminea. Deep rose.....	$\frac{1}{4}$ oz., 45c	\$0.15	1.40
Crimson.....	$\frac{1}{4}$ oz., 45c	.15	1.40

JACARANDA Mimosaeifolia. Mimosa leaved, Fol-			
age as finely cut as a fern. Plants symmetrical and			
elegant in shape. Useful for combinations or as a			
pot plant.....	100 seeds, 50c; 1,000 seeds.	\$3.50	....

Annual Larkspur

To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. Can also be sown outdoors just before freezing for early spring flowering.

GIANT DOUBLE IMPERIAL—4 ft.

Base Branching Type

This type is the most desirable for outdoor growing. An annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

Blue Bell. Fine medium-blue.

Blue Spire. Dark blue.

Carmine King. Carmine rose

Coral King. Blush pink with a suffusion of coral.

Daintiness. Delicate lavender.

Dazzler. Rich scarlet.

Exquisite Pink Improved.

Salmon-pink.

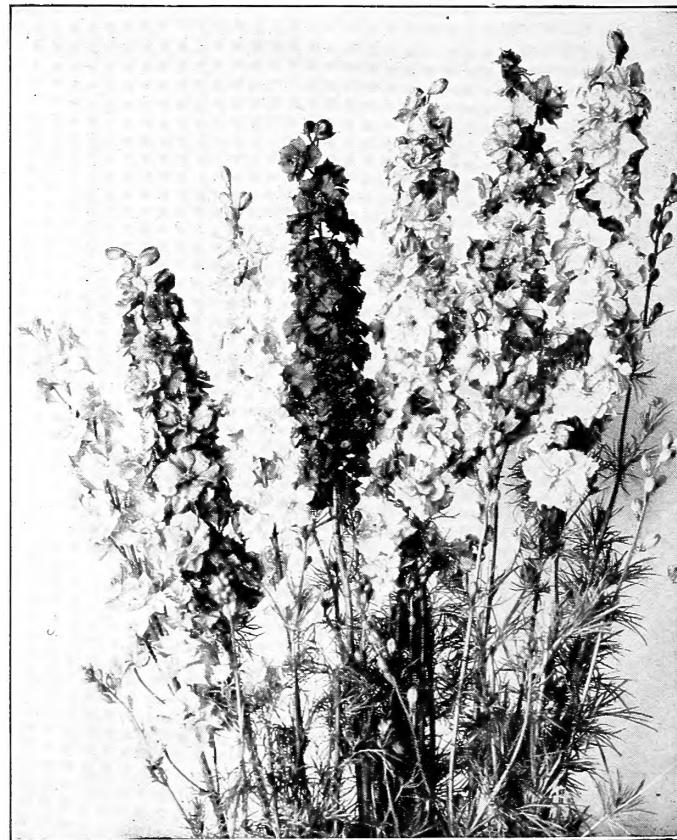
Gloria Improved. Rich deep rose-salmon.

Lilac King. Rich lilac

Each of the above, Trade pkt., 25c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 65c; oz., \$1.10; lb., \$11.00.

Brilliant Rose. Trade pkt. 35c; $\frac{1}{4}$ oz., 80c; $\frac{1}{2}$ oz., \$1.30; oz., \$2.20.

Giant Imperial Vaughan's Special Mixed. All colors. Trade pkt., 25c; $\frac{1}{4}$ oz., 40c; oz., \$1.10; lb., \$11.00.



ANNUAL LARKSPUR GIANT IMPERIAL

ANNUAL LARKSPUR—Continued

STOCK-FLOWERED—4 ft.

Ageratum Blue.	Sky Blue.	Rose Queen.	Deep rose-pink without salmon shading.
Dark Blue.			White.
Lilac Supreme.	Deep lilac.		
Rosamond.	Pure rose.		
Each of the above.			Trade pkt., 25c; oz., 90c; $\frac{1}{4}$ lb., \$3.20; lb., \$9.60.

Vaughan's Special Mixed Stock Flowered, Trade pkt., 25c; oz., 90c; $\frac{1}{4}$ lb. \$3.20; lb., \$9.60.

SUPER MAJESTIC—5 Ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers.

Lavender.	Rose Pink.	White.
Each of above.	Trade pkt., 35c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50; $\frac{1}{4}$ lb., \$5.00; 1 lb. \$15.00.	

KALANCHOE

Globulifera. Var. Coccinea (Blossfeldiana). 12 inches. Bright scarlet flowers. Very choice pot plant. Trade pkt., (1,500 seeds), 60c; 3,000 seeds, \$1.10.

Hybrida Flame. In brilliancy of color this Kalanchoe is unsurpassed. The flower heads are borne on wiry stems with up to 200 individual flowers. The color is a vivid fiery-red, much more pleasing than that of other Kalanchoes. Trade pkt. (500 seeds), \$1.00.



KALANCHOE

Tom Thumb. A dwarf variation of the popular K. Trade pkt. Oz. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelope the entire plant. $\frac{1}{64}$ oz., \$5.00; 1,000 seeds, \$1.25

LEUCOCORYNE Ixioides (Glory of the Sun). Large, fragrant flowers, blue with white centers, charming for cutting. 1.00

LISIANTHUS Russellianus (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in early Summer, keep fairly moist. Blooms in four months from seed. Upright and compact free flowering habit. $1\frac{1}{3}$ ft. $\frac{1}{8}$ oz., \$1.40; trade pkt., 50c.

Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." Sow 3 or 4 seeds in a 3 or 4 in. pot. Keep in cold frame until late October or November. Transplant into a ground bed and grow slowly in cool temperature. Space 10x12 inches, water well after transplanting and then keep on dry side until plants are established.

Hartwegii Giants or King Lupinus. This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

King Dark Blue	King White
King Heliotrope	King Mixed
King Sky Blue	
Each of the above	Trade pkt. Oz. lb., \$8.00 \$0.20 \$0.85



BEET, CROSBY'S EGYPTIAN

VEGETABLES FOR SUMMER PLANTING

Every florist who has available land should grow vegetables for the market this summer, for two reasons:

He will get top market prices, and he will be contributing an essential service to the country in helping to lessen the world-wide food shortage.

If you have a location for a roadside market near your plant, your vegetables can be sold at retail, together with any flowers which you may have in surplus.

Following are varieties which we recommend for summer sowings:

Many shortages exist in vegetable seed supply, and whether this year's crops will correct them no one can tell. In addition to labor scarcity, unfavorable weather conditions may cause poor crops.

BEANS—Bountiful Green.

Prolific flat pod. Lb., 35c, 10 lbs., \$2.20.

BEET—Crosby's Egyptian.

Dark red, good quality. $\frac{1}{4}$ lb., 50c, lb., \$1.50.

CARROT—Sweetheart.

Excellent table variety. $\frac{1}{4}$ lb., \$1.20, lb., \$3.50.

CHARD—(Summer Spinach). $\frac{1}{4}$ lb., 40c, lb., \$1.00.**CHINESE CABBAGE.** Oz., 25c, $\frac{1}{4}$ lb., 65c, lb., \$1.75.**CUCUMBER—The Vaughan**

For outdoor or forcing. Long, slender and dark green. $\frac{1}{4}$ lb., 75c, lb., \$2.25.

ENDIVE—Full Hearted Escarole.

Best salad variety. $\frac{1}{4}$ lb., 50c, lb., \$1.50.

LEAF LETTUCE—Grand Rapids Selected Stock

For outdoors or forcing. $\frac{1}{4}$ lb., 65c, lb., \$2.00.

PEAS—Laxton's Progress

Lb., 30c, 10 lb., \$2.00, 100 lb., \$18.00.

RADISH—Scarlet Globe

Medium Top. For outdoor planting. Lb., 90c.
Short Top—For forcing. Lb., \$1.00.

TURNIP—Purple Top White Globe

$\frac{1}{4}$ lb., 20c, lb., 55c.

RUTABAGA—American Purple Top

$\frac{1}{4}$ lb., 25c, lb., 60c.

Order now for next spring.

We advise all market growers to place early orders for their requirements of next spring, and to accept delivery of the seed this fall, in order to make sure of an adequate supply.



MARIGOLD Prince of Orange

Marigold

For best results, seed should be sown from July up to December. Plant in any house that can be kept free from frost. No insect pests.

Tall African Double *Fistulosa*, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

All Double Lemon. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60.

All Double Orange. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60.

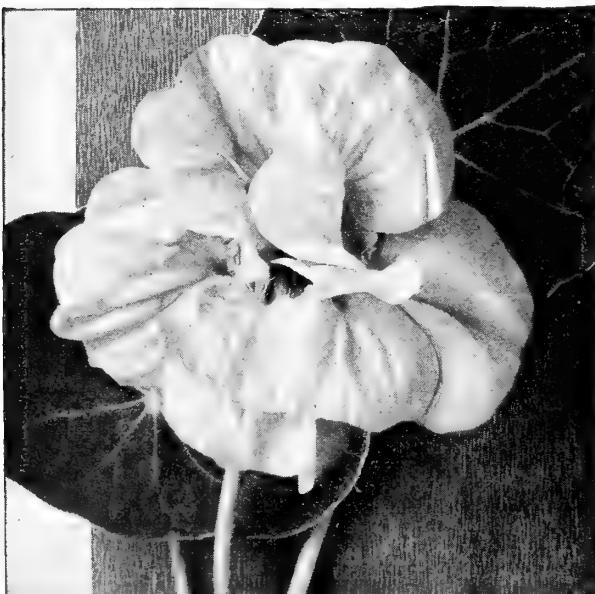
Lemon Queen, Los Angeles Florist Strain. All double. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60; 4 oz., \$5.00.

Prince of Orange, Los Angeles Florist Strain. All double. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60; 4 oz., \$5.00.

Yellow Supreme. Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60.

Guinea Gold. Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2½ ft. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.60.

Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. For a fine paying winter cutflower, especially in a retail growers establishment Lieb's varieties are highly recommended. Seeds can be sown from August to December. Space plants ten inches apart in bench in not too rich soil in Carnation house temperature. Trade pkt., 25c; $\frac{1}{4}$ oz., 60c; oz., \$2.00.



NASTURTIUM Double Glorious Gleam Hybrids

MARIGOLD—Continued

Winter Harmony. It is of quilled scabious type. A single row of reddish brown guard petals encircling a golden orange quilled center, with mahogany brown dots on tip of each quilled petal. Flowers 2½ inches in diameter. Trade pkt., 25c; $\frac{1}{4}$ oz., 50c; oz., \$1.65.

Nasturtium

Double Climbing Fragrant Varieties. Sow seed in late summer and give support early. Like cool nights and considerable water. Their bright flowers of spicy fragrance will come in handy during the winter months.

Tall Golden Gleam. Semi-double, yellow.

Indian Chief. Vivid scarlet flowers.

Scarlet Gleam. Bright orange-scarlet.

Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers.

Each of the above: Oz. 25c; $\frac{1}{4}$ lb. 70c; lb. \$2.40.

Primula Obconica

Cultural Instructions Sent with Seed Trade pkt.

Grandiflora Avalanche. White... $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 \$1.25

Appleblossom. Pink..... $\frac{1}{64}$ oz., \$2.25 1.25

Better Days. Deep carmine-red. Very large-flowering.

The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems..... $\frac{1}{64}$ oz., \$2.25 1.25

Sky-Blue (Konigsee). Extra-large flowers..... $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 1.25

Fasbender Red. Flowers rich deep red of enormous size. Outstanding variety..... $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 1.25

Gigantea Wyaston Wonder. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant..... 1.25

Lachsrosa. A beautiful salmon-rose..... $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 1.25

Mohnstein's Dark Red...... 1.25

Mueller's (Berlin) Rose. $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 1.25

Perle von Niederhein. Strong growing, large flowered and free blooming scarlet red..... 1.25

Orchid Lavender. The color is a superb art shade of true orchid-lavender. The trusses are of enormous size, composed of individual blossoms which will average two and one-half inches in diameter..... 1.25

Mixed, many colors. $\frac{1}{32}$ oz., \$4.25; $\frac{1}{64}$ oz., \$2.25 1.25



PRIMULA Obconica Gigantea Wyaston Wonder

PRIMULA—Continued

Primula Chinese Giant

		Trade pkt.
Chiswick Red Improved.	Red.....	200 seeds \$0.80
Covent Garden White.....		100 seeds .75
Dazzler.	A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting.....	200 seeds 1.25
Giant Salmon.....		100 seeds .80
True Blue.....		100 seeds .80
Vaughan's Special Mixture.....		150 seeds .80
Giant Mixed.	Includes this year a number of new shades.....	100 seeds .80

Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

Giant Star Mixed. Trade pkt., (200 seeds), 80c.

**Ericksson's Malacoides (Baby Primrose)
ORIGINATOR'S SEED**

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day.

RIVERSIDE STRAIN

This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. About two weeks later in blooming. This type does not "crop" in and gives a longer period in which to sell plants.

Giant Pure White.

Glory of Riverside Improved. A true rose pink, free bloomer with large flowers and robust grower.

Lilac Beauty. Pure light lilac, 100% even color when blooming and a delight to work in combinations.

Mrs. Ericksson of Riverside. A glowing rose-red, a very strong grower with heavy flower stems and stiff foliage; large flowers in heavy clusters of medium height. It is the most outstanding new variety.

Peachblossom. Deep peachblossom pink.

Each of the above: 500 seeds, \$1.25; 2,000 seeds, \$4.00; 6,000 seeds, \$10.00.

Ericksson's Special Mixture. 800 seeds, \$1.25; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00; $\frac{1}{2}$ oz., \$10.00.

New Baby Improved. Glowing deep pink. 800 seeds, \$1.25; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00; $\frac{1}{2}$ oz., \$10.00.

New Giant Malacoides

Double Fairy Jewels. The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), \$1.50.

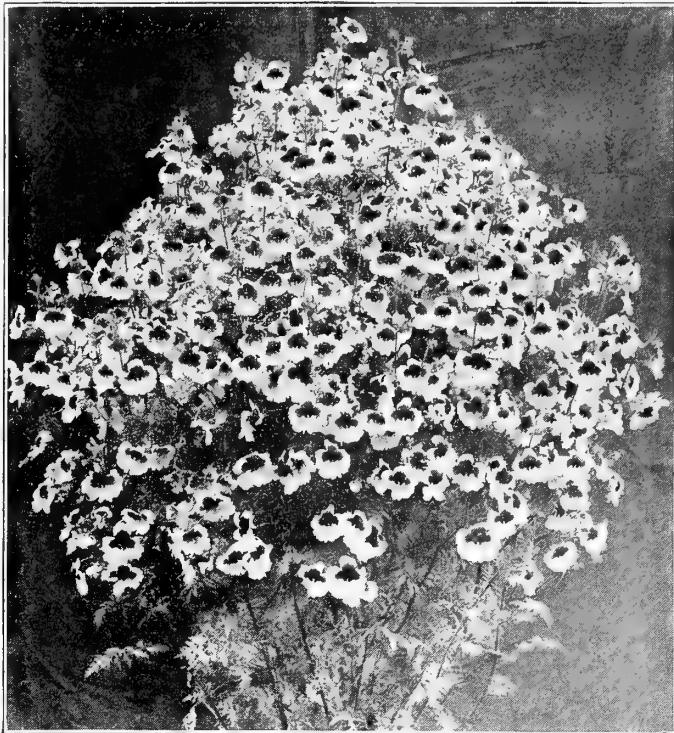
Enchantress. A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are $\frac{1}{2}$ to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade packet, (above 1000 seeds), \$1.50.

Snow Flake. Has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply highlighted by the lush green foliage. Trade Packet (about 1,000 seeds), \$1.00.

Mixture. A mixture of giant varieties. Trade Packet (about 1,000 seeds), \$1.00.

Malacoides Various Sorts

		Trade pkt.
Dawkins Carmine Pink.....		1,000 seeds \$1.25
Princess Mary. Deep rose pink.....	$\frac{1}{6}$ oz., \$2.00; 1,000 seeds	1.00
Salmon Rose.....	$\frac{1}{6}$ oz., 2.00; 1,000 seeds	1.00



SCHIZANTHUS Vaughan's Dwarf Masterpiece

Schizanthus

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

	Tr. pkt. Oz.	
Vaughan's Dwarf Masterpiece.	This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a very pleasing dark violet, all with conspicuous blotches.....	$\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.65 \$0.50
Vaughan's Excelsior Hybrids.	A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item.....	$\frac{1}{8}$ oz., \$1.10 .50
Monarch Strain.	Finest strain of large flowered hybrids, rich colors and flowers of perfect form.....	$\frac{1}{8}$ oz., \$1.25 .50
Dr. Badger's Hybrids.	Splendid large flowers with brilliant coloring, compact grower 8 to 10 in tall.....	$\frac{1}{4}$ oz., \$1.10 .35
Bridal Veil.	Pure white, excellent.....	$\frac{1}{8}$ oz., \$1.20 .75
Pansy-flowered.	The large pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white are extremely bright and attractive.....	$\frac{1}{8}$ oz., \$1.00 .35

SAPONARIA Vaccaria Rose.	Incorrectly spoken of as Pink Gypsophilia. The light graceful sprays of glistening flowers produced in greatest profusion.....	$\frac{1}{4}$ lb., 80c ...	\$0.25
STATICE Suworowii.	Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming in a cool house.....	$\frac{1}{4}$ oz., 40c .15	1.20
STEVIA Serrata.	Fragrant, small white flowers freely produced in clusters. Fine to mix with other flowers. Easily grown indoors summer or winter.....	.35	



Vaughan's Long Stemmed Winter-Flowering Mixed Re-selected. It has a wide color range and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter bloom and give support early. Trade pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.80.

PANSIES

VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 60c; ½ oz., \$1.30; ¼ oz., \$2.25; oz., \$8.00; 4 oz., \$30.00.

VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Trade pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; oz., \$10.00; ¼ lb., \$32.00.

VAUGHAN'S DWARF SUPER SWISS MIXED

Special selection of Geneva Giants of dwarf habit. This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c; ½ oz., \$1.40; ¼ oz., \$2.40; oz., \$8.00.

VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c; ½ oz., \$1.60; ¼ oz., \$2.75; oz., \$9.00.

VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

This strain is even finer than the preceding, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 90c; ½ oz., \$1.75; ¼ oz., \$3.00; oz., \$10.00.

VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c; ¼ oz., \$2.50; oz., \$8.00; ¼ lb., \$30.00.

GIANT SWISS SEPARATE SORTS

Swiss Alpenglow. Rich wine-red shades.

Swiss Berna. Dark violet-blue.

Swiss Blue (Ullswater. Thuner Sea). The most distinct rich deep ultramarine blue with darker blotches.

Swiss Coronation Gold. Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

Swiss Luna. Soft sulphur yellow, self without blotches, round substantial flower with frilled edge. A delicate and lovely color.

Swiss Pure White. The best pure white pansy.

Swiss Rhinegold. Canary-yellow with dark blotches.

Each of the above: Trade pkt., 75c; ½ oz., \$1.80; ¼ oz., \$3.00; oz., \$10.00.

Delft Blue. Porcelain-blue. Trade pkt., 75c; ½ oz., \$1.80; ¼ oz., \$3.00; oz., \$10.00.

Geneva Giant Mixed. Grown from Originator's Stock Seed. A very fine strain. Trade pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; oz., \$10.00.

America, Ideal Bedding or Basket Pansy. Good substance with wide color range. Free-flowering. Trade pkt., 60c; ½ oz., \$1.40; ¼ oz., \$2.40; oz., \$9.00.

Engelmann's Giant Mixture. Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c; ½ oz., \$1.75; ¼ oz., \$3.00; oz., \$10.00.

Jumbo Mixed. Extra large and early; long stemmed flowers. Trade pkt., 75c; ½ oz., \$1.40; ½ oz., \$2.25; ¼ oz., \$4.00; oz., \$14.00.

Masterpiece—Giant Curled. The colors are superb, mostly red and brown shades. Trade pkt., 50c; ¼ oz., \$1.80; oz., \$6.00.

Oregon Giants (Originator's Stock). A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Pkt. 200 seeds, 50c; pkt. 500 seeds, \$1.00; 3 \$1.00 packets for \$2.00; ½ oz., \$6.00; oz., \$12.00.

Stocks

Our Stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stock seed.

"NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

American Beauty. Deep American Beauty Rose.

★**Apricot** (No. 20). Strong growing buff with a faint pink tinge and extra large flowered variety.

★**Blue.** Dark lilac blue.

★**Chamois Pink.** A warm rosy buff color.

Deep Apricot. Attractive new shade.

Gardenia. Flowers of the purest white. About 10 days later than White No. 16, also taller. Needs disbudding.

Gold Standard. Creamy ivory yellow.

Lilac Lavender. Same as Silvery Lilac.

★**Pink** (No. 11). Light rose-pink, exact shade of Bismarck Rose.

★**Rose Pink** (No. 14). A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.

Purple.

Ruby (Illusion). Rich crimson red.

★**Silvery Lilac.** Lilac lavender.

★**Supreme.** Ball No. 22. Supremely fine in its rich silvery rose shading, with extra long stems and fine heavy spike.

★**Vaughan White** No. 1. We especially recommend this; in our judgment, the finest pure white Non-Branching Column Stock in existence.

White Improved No. 16. Semi-tall pure white.

★**Yellow Wonder.** Best yellow.

Special Florist Mixed. Mixture of the best selling colors.

Each of above: $\frac{1}{2}$ tr. pkt., 60c; tr. pkt. (about 1200 seeds), \$1.00; $\frac{1}{4}$ oz., \$2.50; oz., \$9.00.

EARLY COLONIAL.

Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose.

Puritan. Pure white.

Priscilla. Silvery lavender.

Rose Standish. Bright rose.

Each, trade pkt., 50c.

GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"

Rose Carmine. "Sequoia"

Blue "Pacific"

Rose "Yosemite"

Chamois "Santa Barbara"

Velvety Violet "Mojave"

Lavender "Tahoe"

White "Santa Maria"

Pink "Monterey"

Yellow "Golden Gate"

Each of the above, trade pkt., 35c; $\frac{1}{8}$ oz., 70c; $\frac{1}{4}$ oz., \$1.25; oz., \$4.40.

Giants of California Mixed. Trade pkt., 35c; $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.20; oz., \$4.00.

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Appleblossom. Pale delicate pink.

Antique Copper. Fine copper red. Buttercup. Deep golden yellow.

★**Chamois** **Dark Blue** **Elk's Pride.** Royal purple.

Flesh. Pale coral pink. **Fiery Blood-Red**

Golden Rose ★**Lavender** ★**Lilac** ★**Rose**

★**Shasta.** Vigorous, glistening white. Trade pkt. Oz.

Each of the above..... $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.10 \$0.35 \$3.40

Giant Bismarck, Mixed. All colors... $\frac{1}{4}$ oz., \$1.10 .35 3.40



STOCKS NON-BRANCHING COLUMN SILVERY LILAC

Sweet Peas Early-Flowering Spencer

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c.
Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, except where noted otherwise,
1/2 oz., 30c; 1 oz., 50c; 1/4 lb., \$1.50; lb., \$5.50.

BLUE, LAVENDER AND PURPLE

Amethyst. An early-flowering "Royal Purple." Fragrant.

Ball Blue Supreme. Much larger flowered than Mrs. Hoover, a long stemmed heavy producer. 1/2 oz., 45c; 1 oz., 75c; 4 oz., \$2.25; lb., \$7.50.

Blue Bird. Violet blue. Fragrant.

★Danube. Large, ruffled blooms of a clear lavender-blue.

Fragrance. Large frilled lavender flowers, fragrant.

★Harmony. Most popular lavender, fragrant.

Mariner. Clear marine blue.

★Mrs. Herbert Hoover. Clear blue. Fragrant.

★Tahoe. Both the wavy standards and ruffled wings have the same delightful shade of mid-blue.

★Triumph. Deep lilac mauve.

★Twilight. A medium clear lavender, very much like Harmony, and will soon supersede Harmony with most growers.

ORANGE

★Ball Orange Improved.

Fiesta. Brilliant orange cerise, definitely sunproof.

★Treasure Island. A sparkling golden orange. Very large flowered and semi-duplexed.

WHITE AND CREAM

Ball White. Large flowered, long stemmed, pure white.

Cascade. Very large flowered white, white-seeded.

Gardenia. Fragrant velvety white flowers, ruffled and duplexed.

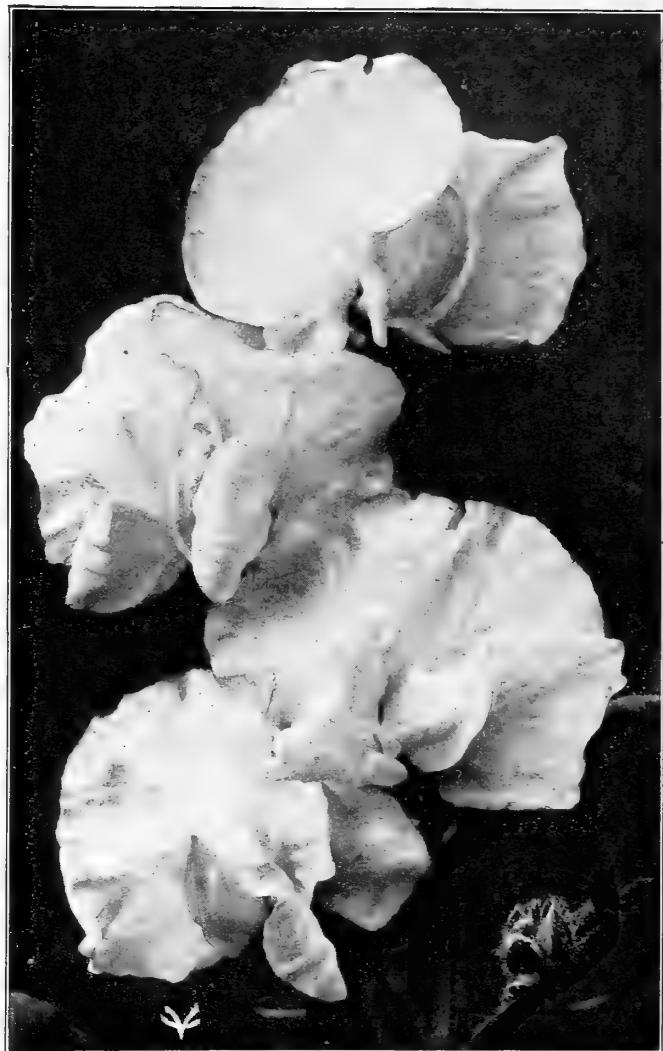
★Hope. A mammoth-flowered black-seeded pure white

★Snow Queen. Pure white, black-seeded. Sow to follow "mums."

★White Champion. Best early-flowering white-seeded white.

★White Harmony. A standard black-seeded white.

Vaughan's Special Formula Mixture, Early Flowering Spencers
from named sorts. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$5.00.



Type of Our Sweet Peas, Early Flowering Spencer

PINK, ROSE AND SALMON

American Beauty. A rich crimson rose on white ground.

★Apollo. A soft salmon-cerise. Fine spring bloomer.

★Ball Rose Improved. Extra rich deep rose.

Ball Rose Supreme. Large wavy flowers of bright silvery rose pink.

Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.

★Bridesmaid. Deep silvery pink with stems unusually long.

★Boon. Deep salmon-pink on light cream ground.

★Daphne. A soft salmon-pink on a cream ground.

Giant Pink. Fragrant.

Josie. Brilliant rose-pink, vigorous, large flowers; long stems.

★Laddle Improved. An enormous rose-pink. Fragrant.

★Mrs. R. H. Holscher. Rose-pink.

New Ball Rose. Bright glowing rose. Very free flowering, but shorter vines make it valuable where headroom is limited.
1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25; lb., \$7.50.

★Sequoia. A rich golden salmon-cerise pea.

SCARLET AND MAROON

Bacchus. Mammoth flowered duplex. Rich red maroon.

Grenadier. A glowing poppy-scarlet.

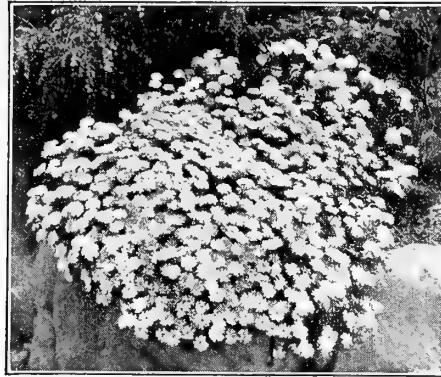
Pride. Pure cerise large flowers on long stems.



Sweet Peas Lend Themselves to Graceful Basket Arrangements



ANCHUSA Italica Dropmore Variety



ALYSSUM Saxatile Compactum



ANTHEMIS Tinctoria

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully.

Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

SEED GERMINATES SLOWLY AND IRREGULARLY

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Anemone, Clematis, Delphinium Cardinale, Delphinium Nudicaule, Dictamnus, Dielytra, Iris, Phlox Decussata, Primulas Trollius and nearly all Alpines.

Rock Garden subjects are marked X.

Achillea Ptarmica Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in. \$0.35

Aconitum (Monk's Hood). Napellus. Dark blue, 36 in.25

Wilsoni. Mid-blue, large and late flowering.25

Barker's Variety. Branching habit, flowers pretty amethyst blue.25

Allwoodii, see Dianthus.

Alyssum Argenteum X Yellow-flowered, silvery foliage, 24 in.35

Saxatile Compactum (Gold Dust). Golden yellow, 12 in. Blooms in spring. $\frac{1}{4}$ oz., 30c .15 \$1.00

Sulphureum (Citrinum). Sulphur-yellow, 15 in. $\frac{1}{8}$ oz., 65c .35

Rock Garden Perennial Species, Mixed. $\frac{1}{8}$ oz., 70c .35

Amsonia Tabernaemontana. Free flowering long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. 2 to 3 ft.50

Anchusa Italica, Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft. $\frac{1}{4}$ oz., 50c .25 1.80

Dwarf Dropmore Variety (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft. $\frac{1}{4}$ oz., 60c .25 2.00

Lissadell. Clear gentian-blue. 6 ft.15 .80

Morning Glory. Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft., coming very true. Buds appear a rosy mauve but turn to clear blue as they open. $\frac{1}{4}$ oz., 45c .25 1.40

ANCHUSA—Continued

Tradepkt. Oz

Myosotidiflora. X A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart-shaped basal leaves, for rock garden or border. Flowers in April and May. This seed should be placed in refrigerator for 72 hours before sowing. $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.80 \$0.50

Anemone (Windflower), Coronaria. Sylphide Blue. light purple.50

St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigid's are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in. $\frac{1}{4}$ oz., 85c .50 \$3.00

Pulsatilla. X The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in.50

Anthemis Kelwayii (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft.15 .60

Tinctoria. Very useful yellow border plant, 2 to 3 ft.25

AQUILEGIA X (Columbine)

Alpina. Blue. A beautiful short-spurred form, 24 in.35

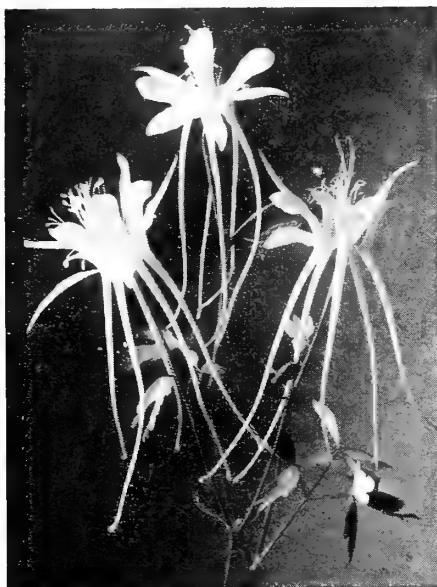
Canadensis. Native variety, bright red and yellow, 30 in. $\frac{1}{4}$ oz., 50c .25 1.80

Chrysanth. Light chrome-yellow, fine, 36 in. $\frac{1}{4}$ oz., 80c .35 2.80

Chrysanth. Silver Queen. Long-spurred silvery white, 2 ft. $\frac{1}{4}$ oz., 90c .35

Clematitflora. Mixed, Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades.50

Unless otherwise quoted we supply $\frac{1}{2}$ oz. at the ounce price and 4 ozs. (of a variety) at the pound price.



AQUILEGIA Longissima Hybrids. Tr. pkt., 50c



AQUILEGIA Mrs. Scott Elliott's Strain



AQUILEGIA Clematiflora.

Seeds of Biennials and Hardy Perennials

AQUILEGIA (Columbine)—Continued

	Trade	pkt.	Oz.	
Cerulea Blue. X Sky-blue with white corolla. Rocky Mt. Columbine.....	1/4 oz.	\$1.00	\$0.35	\$3.60
Cerulea. Mrs. Nicholls. Deep blue and bolder flower than Coerulea blue.....	.50	....	
Rose Queen. Shades of rose with white corolla, 30 in.	1/4 oz.	\$1.20	.35	\$4.00
Flabellata Nana Alba. Pure white early flowering 12 inch.....	.50	....	
Longissima. Long-spurred delicate yellow.....	1/8 oz.	\$3.00; 1/16 oz.	\$1.60	.50
Longissima Hybrids. Very long-spurred variety in many attractive shades.....	1/16 oz.	\$2.00	.50	....
Long-Spurred Blue Shades.....	1/8 oz.	\$1.00	.50	....
Copper Queen. Copper-red, straw-colored corolla, variable in shade, 18 in.....	1/8 oz.	\$1.00	.50	....
Crimson Star. Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems.....	1/8 oz.	\$1.50; 1/4 oz.	\$2.75	.50
Dobbie's Imperial Hybrids. A very fine selection made by a European hybridizer.....	1/4 oz.	\$1.00	.35	3.50
Orange and Scarlet Shades.....	1/4 oz.	\$1.20	.50	4.00

AQUILEGIA—Continued

	Trade	pkt.	Oz.	
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc.....	1/4 oz.	\$1.00	\$0.35	\$3.50
Vaughan's Super Long Spurred Mixture. Flowers of enormous size in brilliant color range, 3 to 4 in. spurs. Exclusive with us.....	1.00	....	
Vaughan's Special Mixture. All types.....	1/4 oz.	\$1.00	.35	3.60
Arabis X Alpina . White flowers in dense masses. 1 ft.....	1/4 oz.	.75c	.35	....
Alpina Nana Compacta. White, 8 in.....	1/4 oz.	.70c	.35	2.40
Rosea. Pink, 1 ft.....	1/4 oz.	.75c	.35	....
Armeria X Alpina . Deep rose, 3 in. Bee's Ruby. Deep rosy red flowers.....	1/8 oz.	\$1.35; 1/4 oz.	\$2.50	.75
Formosa. Large Flowering Hybrids. 2 ft. 1/8 oz.	1/8 oz.	.75c	.35	....
Glory of Holland. Giant Pink. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems of 24 inches high, throughout the summer. Extra fine for cutting.....	1/8 oz.	\$2.00	.50	....



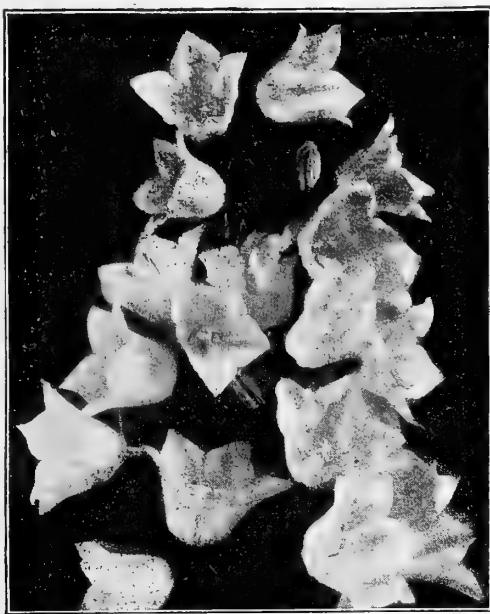
ANEMONE St. Brigid's Hybrids



ARMERIAS Are Fine for Cutting



ARABIS Alpina



CAMPANULA Persicifolia Single



CAMPANULA Medium Calycanthema



BAPTISIA Australis

Seeds of Biennials and Hardy Perennials

	Tr.	pkt.	Oz.	
Asclepias Tuberosa (Butterfly Weed). Produces umbels of varying orange colored flowers, lovely to cut and last a long time. 24 in.....	1/4 oz., .85c	\$0.25	\$2.75	
Asphodelus Luteus . Yellow, fragrant, 3 ft.....	1/8 oz., .75c	.35	....
Aster Perennial . Large-Flowering Varieties, mixed.....	1/8 oz., \$1.40	.50	....
Alpinus. Fine Mixed. Lavender blue and white flowers.....	1/8 oz., \$1.00	.50	....
Goliath. X Soft blue, largest-flowered fine, 15 in.	1/8 oz., \$1.25; 1/4 oz., \$2.25	.75	....
Farreri. Violet mauve with orange disc.....	1/8 oz., \$1.00	.50	....
Aubrieta . Semi-double Hybrids. Produces 75% large semi-double flowers in all known colors of this family and many new art shades.....	1/6 oz., \$1.00	.75	....
New Giant-Flowered. (Monarch strain). All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended.....	1/6 oz., \$1.00	.50	....
Large-Flowered Hybrids. X Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in.....	1/4 oz., .80c	.25	2.80	
Deltoidea. X Lilac, 6 in.....	1/6 oz., \$1.00	.35	....
Eyrii. X Free flowering large blue.....	1/6 oz., \$1.00	.35	....
Graeca. Large blue free-flowering, 6 in.....	1/4 oz., .75c	.35	....
Leichtlini. X Large-flowered, rosy-purple.....	1/6 oz., \$1.00	.50	....
Purpurea. True deep purple.....	1/6 oz., \$1.00	.50	....
Auricula . See Primula.				
Baby's Breath . See Gypsophila Paniculata.				
Baptisia Australis (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers. 2-4 ft.....	1/2 oz., \$1.00	.20	1.00	
Bellis Perennis X or English Daisy.				
Monstrosa Double Pink 1/16 oz., \$1.00; 1/8 oz., \$1.80	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50	....
Double Crimson.....	1/16 oz., \$1.00; 1/8 oz., \$1.80; 1/4 oz., \$3.00	.50	....
Double White.....	1/16 oz., \$1.00; 1/8 oz., \$1.80; 1/4 oz., \$3.00	.50	....
Double mixed.....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50	....
Tubulosa Aetna. Rich deep red.....	1/4 oz., \$1.00	.75	....
Pink. Quilled pink.....	1/4 oz., \$1.00	.75	....
Bocconia Japonica (Plume Poppy). The plants grow 6 to 7 ft. high and the large finely-cut leaves are topped by huge flower spikes, carrying creamy white blossoms.....	1/4 oz., .50c	.25	....
Boltonia Latisquama . Delicate pink, 4-5 ft.....	1/4 oz., \$1.00	\$0.35	....
Callirhoe Involucrata . X Large crimson flowers, trailing habit, very showy, 6 in.....	1/4 oz., .85c	.35	\$3.00	
CAMPANULA PERENNIAL SORTS				
Carpatica X (Hare Bell). Forms a quickly-widening tuft of neat foliage above which are borne on slender, branched erect stems, wide cup-shaped upright blooms of a glistening light violet blue, 9 in.	1/8 oz., \$1.00	.35	....
Alba . X White, 9 in.....	1/8 oz., \$1.00	.50	....
Cullinmore . A lovely hybrid form of Carpatica and other dwarf-growing species. Much more prolific than Carpatica. Its flowers of various shades of blue are produced all summer. Very nice edging plant or for the rock garden.....	1/8 oz., \$1.00	.75	....
Garganica . X A compact and tufty plant with pendant flowering branches. The flowers are blue with a white eye. 4 in.....	1/8 oz., \$1.00	.75	....
Lactiflora Coerulea . Light blue, 3 ft.....	1/4 oz., .80c	.35	3.00	
Latifolia Macrantha . Blue, large-fld., 40 in.....	1/4 oz., .80c	.35	....
Persicifolia (Peach Bell) Alba . White, fine, 30 in.....	1/4 oz., \$1.00	.35	....
Coerulea . Blue, 30 in.....	1/4 oz., \$1.00	.35	....
Telham Beauty . Very large bells of China blue, varies, 30 in.....	1/4 oz., \$1.00	.50	....
Wedgwood . Large flowers of deep violet-blue. Will do good in full sun or partial shade. If sprays of buds are cut and put in water, they open to charming flowers which are useful for decorative purposes.....	1/4 oz., \$1.00	.50	....
Single mixed.....	1/4 oz., \$1.00	.35	....
Pyramidalis Alba . White, 5 ft.....	1/4 oz., .70c	.35	....
Blue. Lavender-blue, 5 ft.....	1/4 oz., .70c	.35	....
Mixed.....	1/4 oz., .70c	.35	....
Rapunculoides . Spires of loosely swung bell-blossoms, beauty for months on end. Variable coloring, from soft blue to deep violet. A row of it becomes a hedge of bloom, and it has perhaps the longest flowering season of any Campanula.....	1/4 oz., .75c	.35	....
Rotundifolia (Scotch Blue Bell). X Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in fall, 6-12 in. 1/8 oz., \$1.00	1/8 oz., \$1.00	.50	....
Perennial Varieties . Mixed.....	1/4 oz., .90c	.35	3.20	
Rock Garden Varieties . Mixed.....	1/4 oz., .90c	.35	....

Rock plants are followed by X, and the heights given are of the plants when in bloom.



SHASTA DAISY Alaska



COREOPSIS Double Sunburst



CARNATION Grenadin Mixed

Seeds of Biennials and Hardy Perennials

CAMPANULA—Continued

Trade pkt. Oz.

CAMPANULA BIENNIAL SORTS

Medium Calycanthema, Cup and Saucer. Dark Blue,				
Lilac, Rose and White. 36 inch each.	1/4 oz., 50c	\$0.20	\$1.60	
Calycanthema Mixed.	1/4 oz., 50c	.20	1.60	
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each.	1/4 oz., 25c	.15	.80	
Single Mixed.	1/4 oz., 25c	.15	.80	
Double Blue.	1/4 oz., 70c	.25	....
Rose.	1/4 oz., 70c	.25	....
White.	1/4 oz., 70c	.25	....
Mixed.	1/4 oz., 70c	.25	....
Double and single mixed.	1/4 oz., 50c	.20	1.60	
 Candytuft \times Gibraltarica. 1 ft. Large flowers, lilac shaded to white.	1/4 oz., 50c	.25	1.60	
Sempervirens, 12 in. White.	.50	....	

CARNATION

Grenadin Golden Sun. Golden yellow.....	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
King of the Blacks. Darkest red, very fine. 20 in.	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
Red. Half high. 20 in. 1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00		
Triumph Rose, 20 in.	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
White Gold. Soft yellow, new.....	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
White, 20 in.	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
Mixed.....	1/8 oz., \$1.40; 1/4 oz., \$2.50	.50	8.00	
Vienna Dwarf. Mixed.....	1/8 oz., \$1.00	.50	....
Prof. Malmgreen. A new early flowering Vienna Dwarf Double type with gay brick red flowers. Fine for cutting. 14 in.	.50	....	
 Centaurea Macrocephala. Radiant yellow thistle-like blooms often 4 in. across. 36 in.....	1/4 oz., 45c	.25	1.50	
Montana. Cornflower blue, 24 in.....	1/4 oz., 40c	.25	1.20	
Perennial sorts mixed.....	1/4 oz., 80c	.35	3.00	
 Cerastium \times Tomentosum (Snow in Summer). Silvery white foliage, white flowers. 16 in.....	1/4 oz., 60c	.25	2.00	
 Cheiranthus Allionii. Brilliant orange. 16 in.....	1/4 lb., \$1.40	.15	.40	
Golden Bedder. Deep golden yellow flowers, sweetly scented, long-flowering.....	1/4 oz., 30c	.15	1.00	

CHEIRANTHUS—Continued

Trade pkt. Oz.

Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in.....	1/4 oz., 75c	\$0.35	....
Linifolius. Lilac. 18 in.....	1/4 oz., 40c	.25	\$1.40

CHRYSANTHEMUM

Maximum Conqueror (Victor). Giant-flowered white	1/4 oz., 30c	.15	1.00
King Edward VII. White.	1/8 oz., 50c	.25	....
See also Shasta Daisy.			
Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large-flowering single and semi-double. 1/8 oz., \$2.00; 1/4 oz., \$3.50	1.00	....
September Jewels. Contain an extra-large number of beautiful colors. The plants grow 1 to 2 feet tall and the flowers measure about 2 1/2 inches in diameter.....	.50	....

Clove Pink. See Dianthus Plumarius

Columbine. See Aquilegia.

Coreopsis Lanceolata Grandiflora. Very large golden yellow flowers, long-stemmed, excellent for cutting,	lb., \$3.60	.15	.35
Double Sunburst (Double Gold). Large double flowers 1 1/2 to 2 in. across.....	1/4 oz., 30c	.15	1.00
Mayfield Giant. Best large deep golden-yellow.	1/4 oz., 25c	.15	.80

Daisy. See Bellis, Agathea, Chrysanthemum Maximum
and Pyrethrum.

Daisy, Shasta, Alaska. Best white, American-grown, 40 in.....	1/4 oz., 40c	.20	1.20
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Diener's Giant Double Shasta. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months: The first year flowers appear with a high percentage of singles. The second year they act like Pyrethrum Double in that they show practically 100% doubles. 1/16 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.50	.50	
Diener's Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2 1/2 to 3 feet long. 1/16 oz., \$1.00; 1/8 oz., \$1.85; 1/4 oz., \$3.50.....	.50	14.00	



SHASTA DAISY—Diener's Double Giant



DELPHINIUM PACIFIC GIANT HYBRIDS

DELPHINIUM—Continued

Blackmore and Langdon Strain, Mixed. Tall, graceful Tr. pkt. Oz. spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors. $\frac{1}{4}$ oz., 90c \$0.50 \$3.00

Wrexham Strain (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. Mixed. $\frac{1}{8}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50 .50 5.40

Belladonna. Light Blue, Improved. Light blue, large-flowered, strong grower. 4 to 5 ft. $\frac{1}{4}$ oz., 80c; lb., \$35.00 .40 2.80

Bellamosum Improved. Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft. lb., \$35.00; $\frac{1}{4}$ oz., 80c .40 2.80

Chinense Album Grandiflorum. White, 36 in. $\frac{1}{4}$ oz., 35c .20 1.20
Blue. Gentian blue. $\frac{1}{4}$ oz., 35c .20 1.20

Blue Mirror. This Chinese Larkspur has no spurs and it shows its bright navy-blue flowers most effectively by their horizontal position. Height 1½ to 2 feet. May be cultivated as an annual as well as perennial, and is finely suited for cutting purposes, for groups and borders. $\frac{1}{4}$ oz., \$1.00 .50 3.60

Cambridge Blue. Rich belladonna blue. $\frac{1}{4}$ oz., 65c .35 2.20

Azure Fairy. Soft azure-blue, 20 in. $\frac{1}{4}$ oz., 35c .20 1.20

Elatum Hybridum Indigo, True Blue. 5 ft. $\frac{1}{4}$ oz., 90c .35 3.00

Elatum Hybridum Lamartine. To our knowledge this fine strain has been lost and we recommend as closest substitute our Bellamosum Improved.

DIANTHUS BARBATUS—Sweet William

Double Dwarf Midget Mixed	....	$\frac{1}{4}$ oz., 85c	.35	3.00
Giant Flowered Mixed	....	$\frac{1}{4}$ oz., 80c	.35	2.80
Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.				
Single Blood-red (Atrosanguineus)	....	$\frac{1}{4}$ oz., 50c	.25	1.60
Copper Red. Showy flower heads composed of numerous good-sized individual blooms in an attractive new color.	....	$\frac{1}{4}$ oz., \$1.00	.35	....

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

Delphinium

PACIFIC GIANT (Vetterle and Reineit). This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter and represent a truly outstanding addition to the cut flower market.

Black Knight Series. Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

Blue Bird. A clear medium blue with white bee with huge tall spikes.

Blue Jay. Brilliant true medium blue with dark bee.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal violet with large white bee.

Summer Skies. Clearest light blue with white bee.

Round Table Series. As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

Each of the above, Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.00; oz., \$14.00.

Pacific Giant. Clear White. Individual florets 2 to 2½ inches in diameter. Well placed on large well balanced spikes. Clear glistening white with heavy texture. Excellent for show purposes. Not Mildew resistant.

Pacific Giant Dark Blue Shades.

Pacific Giant Light Blue Shades.

Pacific Giant Lavender Pastel Shades. Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.

Pacific Violet Shades.

Pacific Giant Mixed.

Each of above 6: Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50; oz., \$12.00.

Seeds of Biennials and Hardy Perennials



SWEET WILLIAM Single "Midget" MIXED COLORS

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 50c; $\frac{1}{4}$ oz., \$1.40; oz., \$5.00.

DIANTHUS BARBATUS (Sweet William)—Continued

<u>Special Giant White</u> . Phlox-flowered. Enormous trusses of bloom. Fine for cutting..	$\frac{1}{4}$ oz., 75c	\$0.35	\$2.40
Homeland. A most unusual color, dark red with large, sharply defined clear white center.....	$\frac{1}{4}$ oz., \$1.00	.50	3.80
Nigrescens. Very dark, almost black..	$\frac{1}{4}$ oz., 50c	.25	1.60
Newport Pink Salmon-pink.....	$\frac{1}{4}$ oz., 75c	.35	2.40
Purple Beauty.....	$\frac{1}{4}$ oz., \$1.00	.50	....
Scarlet Beauty. Scarlet.....	$\frac{1}{4}$ oz., 75c	.35	2.40
Dwarf Midget Mixed. See illustration above.....	$\frac{1}{4}$ oz., \$1.40	.50	5.00
Mammoth Flowered. Single mixed.....	$\frac{1}{4}$ oz., 75c	.35	2.40
<u>Vaughan's Special Mixture</u> . Double and single of above choice varieties	$\frac{1}{4}$ oz., 80c	.35	2.80

DIANTHUS PLUMARIUS—Clove Pinks X

<u>Cyclops</u> . Red Hybrids.....	$\frac{1}{4}$ oz., \$1.00	.35	....
<u>Highland Rose Hybrids Mixed</u> . Beautiful and varied mixture, especially noted for their fragrance and long flowering.....	$\frac{1}{4}$ oz., \$1.00	.35	3.60
Ipswich Crimson. A grand single variety deep crimson flowers.....	.50	....
<u>Little Jock Hybrids</u> . The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50% of them are double.....	.50	....
<u>Scoticus Double Special Florist Strain</u> . Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering.....	$\frac{1}{16}$ oz., \$1.00	.50	....
<u>Spring Beauty</u> . Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant.....	$\frac{1}{4}$ oz., \$1.40	.50	....
Single Mixed.....	$\frac{1}{4}$ oz., 50c	.20	1.60
Semperflorens. Double Mixed.....	$\frac{1}{4}$ oz., 60c	.30	....
<u>Vaughan's Special Mixture</u>	$\frac{1}{4}$ oz., 90c	.35	3.20

DIANTHUS—Continued

Trade pkt. Oz.

DIANTHUS—SORTS

Allwoodii. X 18 in. Mixed colors. Double, semi-double and single flowers in a wide color range. $\frac{1}{8}$ oz., \$1.00	\$0.35	....
Alpinus. Mixed colors. X 4 to 8 in. Glossy leaves, large flowers various shades of pink and rose....	.35	....
Arenarius. SandPink. Small white fringed. 8in. $\frac{1}{4}$ oz., 80c	.35	....
Barbatus X Chinensis, Mixed (Annual Sweet William). Blooms from seed the first year.....	$\frac{1}{4}$ oz., .35c	.20 \$1.20
Caesius (Cheddar Pink). X Dense tufts of glaucous blue foliage and large fragrant rose-colored flowers....	$\frac{1}{4}$ oz., .65c	.25 2.20
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William. $\frac{1}{8}$ oz., \$1.00	.35	....
Deltoides (Maiden Pink). Rosy magenta 9 in.	$\frac{1}{4}$ oz., .65c	.25 2.40
Brilliant. (Maiden Pink) 8 in. Rich rose pink blossoms, carried above fine feathery foliage.....	.35	....
Erecta Red.....	$\frac{1}{8}$ oz., \$1.00	.35
Mixed. Fine for rock gardens.....	.35	....
Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage.....	.50	....
Latifolius Atrococcineus Plena. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout 15 to 18 in. stem. $\frac{1}{8}$ oz., \$1.00	.35	....
Loveliness. Large laciniated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance.....	$\frac{1}{8}$ oz., \$1.20	.50

Sweet Wivelsfield. Single, mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft.....	$\frac{1}{4}$ oz., .35c	.20 1.20
Sweet Wivelsfield. Double, mixed.....	$\frac{1}{4}$ oz., 60c	.25 2.20
Best Rock Work Species Mixed X.....	$\frac{1}{4}$ oz., 80c	.25 2.80
Winteri. A Pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., $\frac{1}{16}$ oz., 80c	.50	....
Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in.....	$\frac{1}{4}$ oz., 80c	.35

Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in.....	$\frac{1}{4}$ oz., 70c	.35 2.60
Fraxinella Albus. White, 30 in.....	$\frac{1}{4}$ oz., 60c	.35 2.20



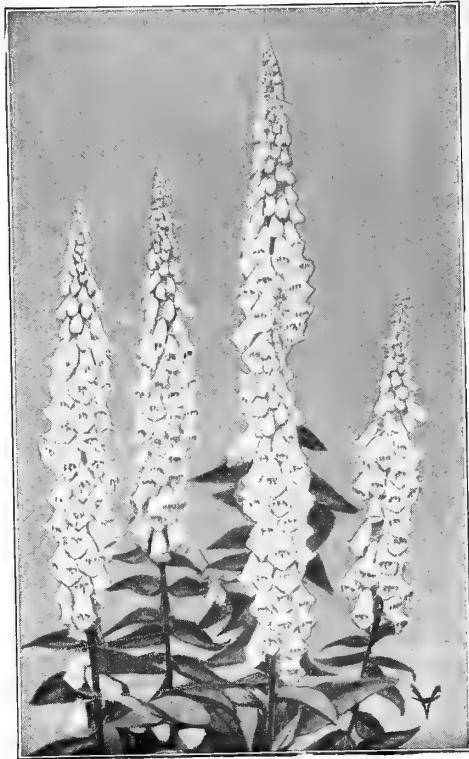
DIANTHUS PLUMARIUS Little Jock Hybrids



DICTAMNUS Fraxinella (Gas Plant)



MYOSOTIS Blue Eyes



DIGITALIS Shirley Hybrids

Seeds of Biennials and Hardy Perennials

DIGITALIS (Foxglove)

		Trade pkt.	Oz.	
Hybrida Lutzii.	Salmon hybrids. 4 ft.	1/4 oz., 70c	.25	\$0.25
Gloxiniaflora.	Mixed, spotted flowers, 4 ft.	1/4 oz., 50c	.25	\$1.60
Alba.	White.....	1/4 oz., 50c	.25	....
Purple.....	1/4 oz., 50c	.25	....
Rose.....	1/4 oz., 50c	.25	....
Pastel Shades.	Distinct new shades of pink, apricot, buff, rose and heliotrope.....	1/4 oz., 75c	.35	....
Shirley Hybrids.	Mixed. Enormous flowers, rich mixture, 6 to 7 ft.....	1/4 oz., 60c	.25	2.20
Grandiflora. (Ambigua), Chrome-yellow.	Marked with brown. 36 in.....	1/8 oz., 70c	.35	....
Purpurea Montrosa.	Mixed, 3 ft. Long spikes surrounded by one enormous flower.....	1/4 oz., 60c	.25	....
Vaughan's Special Mixture.....	1/4 oz., 60c	.25	2.00	

FORGET-ME-NOT X (Myosotis)

Alpestris Blue Eyes.	Bright blue with white eye, large, early flowering.....	1/4 oz., \$1.40	.35	5.00
Indigo Blue (Royal Blue).	12 in.....	1/4 oz., 95c	.35	3.20
Blue Compacta.	Deep blue. 1/8 oz., 90c; 1/4 oz., \$1.60	35	6.00	
Rosea.	12 in.....	35	....
Stricta. Blue Bouquet.	A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft.....	35	....
Vaughan's Early Blue Bird.	An extra early flowering strain of Blue Bird type and color. Should be used exclusively for cutting and valuable for pots or bedding.....	1/4 oz., 85c	.35	3.00
Echinops (Globe Thistle) Ritro.	Showy thistle like plants with globular heads of deep metallic blue flowers, which can be dried as everlasting. Grow in clumps in full sun.....	1/4 oz., 80c	.35	3.00
Edelweiss. X Large flowered,	6 in.....	.50	....
Erinus X Alpinus.	Purple, for borders, 6 in.....	.50	....
Eryngium Amethystinum.	True amethyst-blue thistle with amethyst stems and bracts. Fine for cutting, 3 ft.....	1/4 oz., 70c	.25	2.40
Planum.	Cornflower blue, globular heads, 4 ft...	.50	....
Euphorbia Corollata (Wild Baby's Breath).	Resembles Gypsophila but the flowers are larger and more pronouncedly white. Blooms in midsummer. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft.....	1/4 oz., \$1.00	.35	3.60

Rock plants are followed by X, and the heights given are of the plants when in bloom.

EUPHORBIA—Continued

Myrsinites.	A prostrate plant with beautiful bluish foliage, heads of yellow flowers. Spring 3 in.....	1/8 oz., \$1.00	\$0.35	....
Polychroma.	The flowers are bright yellow changing to a rosy bronze. 15 to 18 in.....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50	....

GAILLARDIA Grandiflora

Dazzler.	Large flowers, bright golden yellow with rich maroon-red center. 3 ft.....	1/4 oz., 65c	.25	\$2.20
Goblin.	Very compact globular plants, red and yellow bicolor.....	1/4 oz., 70c	.35	2.60
Monarch Strain.	A robust strain very varied in coloring and with flowers of giant size and perfect form.....	1/4 oz., 50c	.25	1.80
Portola Hybrids.	The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2 1/2 to 3 ft.....	1/4 oz., 50c	.25	1.80
Torchlight.	Bright golden yellow, rich maroon center. 2 ft.....	1/4 oz., \$1.60	.35	....
Gas Plant, see Dictamnus.				
Gerbera Jamesoni.	New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year.....	100 seeds, 45c; 500 seeds, \$1.75; 1000 seeds, \$3.00	....
Geum.	Lady Stratheden (Golden Ball). The blooms are large double rich golden yellow. 2 ft. 1/4 oz., 80c	.35	3.00	
Mrs. Bradshaw.	Large double fiery orange red. 2 ft. 1/4 oz., 80c	.35	3.00	
Prince of Orange.	True orange.....	1/8 oz., 85c	.50	....
Gypsophila Mangini.	A splendid florist cut flower, strong growing "Pink Baby's Breath." 2 ft.....	25	....
Oldhamiana.	Great tangles of airy, misty blooms in pink shades. The florets are slightly more than a quarter of an inch in diameter and possess a white throat. Blooms in fall. The foliage is silvery overcast.....	1/4 oz., 65c	.25	2.20



GAILLARDIA Grandiflora Portola Hybrids



GEUM Mrs. Bradshaw



GERBERA Jamesoni Flowerland Strain

Seeds of Biennials and Hardy Perennials

GYPSOPHILA—Continued

	Tr.	pkt.	Oz.	
Pacifica. Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft.....		$\frac{1}{4}$ oz., 80c	\$0.25	\$2.80
Paniculata Snow-White Double. Pure white double strain. 2 ft.....	.50	$\frac{1}{4}$ oz., \$1.25	.50	4.40
Paniculata White. Small single white flowers in great profusion, useful for cutting. 40 in.. $\frac{1}{4}$ lb., \$1.60	.15	.50		
Repens X White flowers, trailer, good border or rock plant. 6 in.....	.25	.70c	.25	2.40
Rosea. Pink.....	.25	.70c	.25	2.40
Helenium Bigelowi. Yellow dark disc, for cutting. 20 in.....	.35	.70c	.35	4.00
Riverton Gem. Flowers open as old gold and terracotta changing to wallflower red. $3\frac{1}{2}$ ft.....	.35	.70c	.35	4.00
Helianthemum X Mutabile. Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in.....	.20	.40c	.20	1.40
Heliopsis Laevis Pitcheriana. Deep golden yellow flowers, 2 in. in diameter, very thick texture. Good cut flower. 4 ft.....	.35	.55c	.35	2.00
Hemerocallis Peerless Blend. A mixture of high merit. Seeds saved from ten botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies.....				
.....100 seeds, 35c; 1000 seeds, \$2.50				
Hesperis Matronalis. (Sweet Rocket.) Sweet scented purple flowers in showy spikes. 40 in. $\frac{1}{4}$ oz., 30c	.25		1.00	
Heuchera X Sanguinea Splendens. Bright vermillion.....	.50	$\frac{1}{16}$ oz., \$1.30		
Sanguinea Hybrida Mixed.....	.50	$\frac{1}{16}$ oz., \$1.30		
Hibiscus Crimson Eye. White with red eye. 4 ft.	.20	$\frac{1}{2}$ oz., 35c	.20	1.20
Jumbo Red. Special selection made to improve color and size of Mallow Marvels Red.....	.25	$\frac{1}{4}$ oz., 50c	.25	1.80
Mallow Marvels. Mixed. 4 ft.....	.25	.40c	.25	1.40
Red.....	.25	.40c	.25	1.40
Pink.....	.25	.40c	.25	1.40

Hollyhocks Chater's. Double Separate Colors.

Chamois (Buff yellow)	Newport Pink
Crimson	Salmon Rose
Deep Salmon Red	Scarlet (Blood Red)
Lilac Beauty	White
Maroon	Yellow
Deep Rose (Carmine rose)	Trade pkt. Oz.
Each of above.....	$\frac{1}{4}$ oz., 50c \$0.30 \$1.50

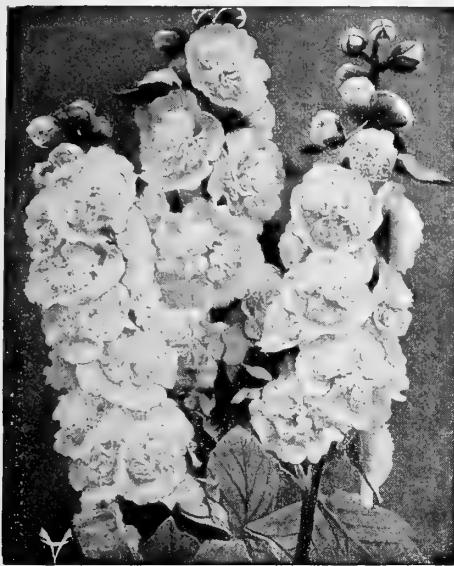
Write for special prices on larger amounts.

Chater's Prize. Double mixed.....	$\frac{1}{4}$ oz., 50c	.30	1.50
Special Double Black.....	$\frac{1}{4}$ oz., 65c	.35	2.20
Imperator, Improved ("Begonia Flowered" Crested Mixed). Collar of frilled and fringed edges.....	$\frac{1}{4}$ oz., 55c	.30	1.80



GYPSOPHILA Oldhamiana

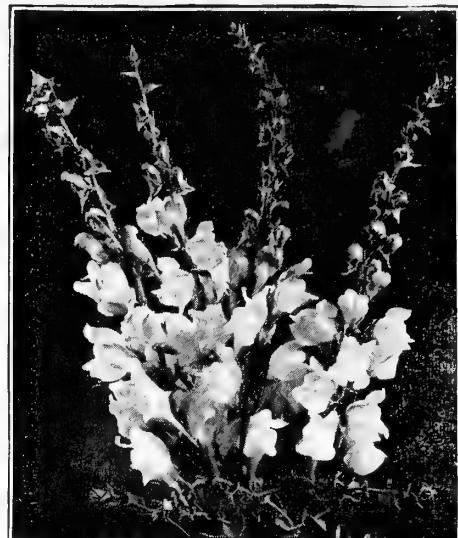
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HOLLYHOCK Chater's Double Mixed



HIBISCUS



LINARIA Dalmatica

Seeds of Biennials and Hardy Perennials

HOLLYHOCKS—Continued

	Tr.	pkt.	Oz.	
Triumph. Double waved and fringed flowers in delicate art shades.....	1/4	oz., 50c	\$0 30	\$1.50
Vaughan's Special Mixture includes all Doubles, Imperator, Triumph and Allegheny.....	1/4	oz., 50c	.30	1.80
Single mixed.....	25		.80	
Delicate Pink Shades.....	1/4	oz., \$1.00	.35	....
Allegheny. Mammoth-flowering. Semi-double flowers. Mixed.....	1/4	oz., 25c	.15	.75
Everblooming Double Hybrids, mixed. If sown early will bloom first year.....	1/4	oz., 40c	.20	1.40
Indian Spring. It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year if sown early.....	1/4	oz., 50c	.25	1.60
Hyacinthus Candicans. 3 ft. Large snowdrop-like flowers in long racemes.....	25		1.00	
Iris Dichotoma, August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Sow seed in early spring while soil is cool. Usually a fair proportion will bloom the first summer.....	1/4	oz., 65c	.35	2.20
Kaempferi. Mixed. Most seedlings bloom the second year. 18 in. Sow in fall.....	1/4	oz., 60c	.35	2.00
Isatis Glauca. (Golden Gypsophila). Foliage silvery gray-green. Clouds of fine yellow flowers in July. 2 ft.	1/4	oz., 60c	.35	....
Kenilworth Ivy X (Linaria Cymbalaria). Pretty trailing variety. Pink.....	35		....
Lathyrus Latifolius (Everlasting Pea). Mixed.....	1/4	oz., 30c	.20	1.00
Latifolius Pink Beauty. Large racemes of pleasing deep rose flowers. 6 ft.....	1/4	oz., 30c	.20	1.00
Red. Magenta. 7 ft.....	1/4	oz., 30c	.20	1.00
White Pearl. Lovely sprays of large sweet pea-like flowers, each spray having 12 to 15 blooms. In flower all summer. 5 ft.....	1/4	oz., 30c	.20	1.00
Lavandula Vera. Munstead Strain. Large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot, an improved Vera. Sow in fall.....	1/4	oz., \$1.00	.35

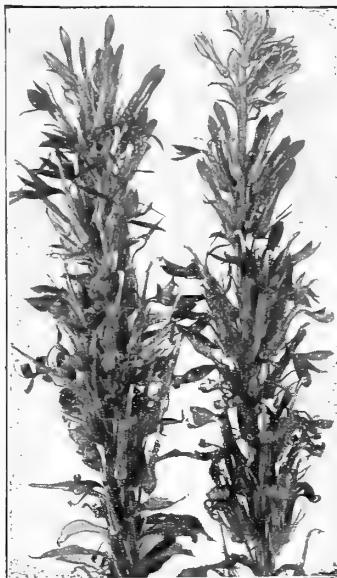
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Liatris Pycnostachya. Long spike of brilliant rose-purple flowers. Aug. to Oct. 4 ft.....	1/4	oz., 75c	\$0.30	\$2.80
September Glory. 6 ft. Spike covered with purple flowers.....	1/4	oz., \$1.50	.50	5.50
Spicata (Blazing Star). Purple rose, 20 in.....	1/4	oz., 80c	.35	2.80
Scariosa. Violet-purple. 4 ft.....	1/4	oz., \$1.00	.35	....
Alba. Is stocky, almost bushy and has several full flowering stalks growing about 2 1/2 ft. high. The flowers are attractive white pompons thickly studding the main stalk as well as the branches.	.50			
Linaria Cymbalaria, X Pink. 3 in.....			.35	....
Dalmatica. Lemon yellow. 3 ft.....			.35	....
Macedonica Speciosa. Nymph. Creamy white. 36 in.....			.35	....

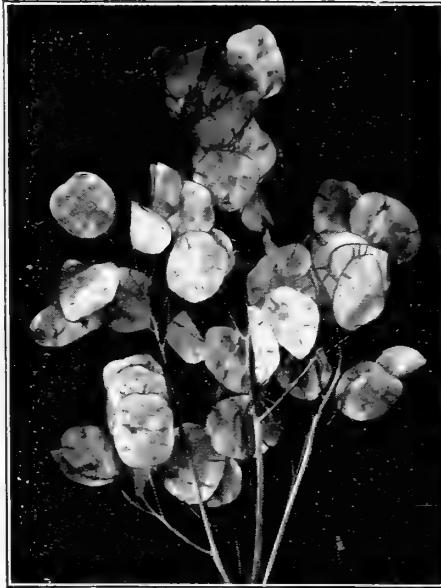
Lilies

Culture on Lilies from seed sent free with order.

Concolor. Erect fiery scarlet with dark red spots.....	1/4	oz., 65c	.25	2.20
Formosanum Giant White.....			.50	....
Longiflorum Praecox (White Queen). Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white.....	5 trade pkts., for \$4.50	1.00		
Regale. The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. 3 to 5 feet.....	1/4	oz., 35c	.20	1.20
Tenuifolium (Siberian Coral Lily). Flowers dazzling coral red flowers up and down the stem. 20 in.....	1/4	oz., 40c	.25	1.40
Linum Perenne (Perennial Flax). Very pretty pale blue flowers on slender stems. 30 in.....			.15	.50
Flavum. Fine variety with transparent yellow flowers. 1 to 2 ft.....	1/4	oz., 75c	.25	....
Compactum Nanum, X Glowing golden yellow, dark green foliage. Everbloomer, 6 in.....	1/16	oz., 70c	.35	....



LOBELIA Cardinalis



LUNARIA Biennis



LYCHNIS Chalcedonica

Seeds of Biennials and Hardy Perennials

LINUM—Continued

	Trade pkt.	Oz.	
Narbonense. Azure blue, flowers with white eye, graceful habit. 30 in.....	$\frac{1}{4}$ oz., 75c	\$0.35	\$2.80
Heavenly Blue. The flowers are twice as large as the common Linum perenne. The color is a luminous ultramarine blue. $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.10	.35	....
Lobelia Cardinalis (Cardinal Flower). Rich, fiery cardinal flowers. 36 in.....	$\frac{1}{4}$ oz., 80c	.25	2.80
Lunaria Biennis. (Honesty). Lilac purple flowers, silvery pod.....	$\frac{1}{4}$ oz., 35c	.25	1.20
Biennis Alba. White flowers with silver pods.....	$\frac{1}{4}$ oz., 35c	.25	1.20
Variegated Foliage. Light red flowers, fine foliage with silver pods.....	$\frac{1}{4}$ oz., 35c	.25	1.20

SUBSTITUTION

Kindly advise, may we substitute another variety equally as good or better by stating on your order "Substitute if necessary."



LILUM REGALE

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Lupinus Polyphyllus.

	Trade pkt.	Oz.	
Albus. Large, pure white spikes. 2 to 3 ft.	$\frac{1}{4}$ oz., 30c	\$0.20	\$1.00
Carmineus. Carmine shades.....	$\frac{1}{4}$ oz., 50c	.25	1.60
Coeruleus Blue.....	$\frac{1}{4}$ oz., 40c	.25	1.40
Roseus. Very pretty rose shades. 3 ft.....	$\frac{1}{4}$ oz., 50c	.25	1.60
Downer's Hybrids. Perpetual flowering hybrids.....	$\frac{1}{4}$ oz., 50c	.25	1.60

Russell. A marvelous selection of Perennial Lupins.

Most unusual colors and color combinations; some flowers are self colors and many bicolors, the standard being of one color and the keel of another. The flowerettes are much larger than the other Polyphyllus varieties. Grown from originator stock seed.....

	Trade pkt.	Oz.	
$\frac{1}{4}$ oz., 60c; $\frac{1}{4}$ lb., \$6.00.	.35	2.00	

Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins.....

	Trade pkt.	Oz.	
$\frac{1}{4}$ oz., 40c	.25	1.40	

Nitragin, for inoculating Lupin seed. Garden size 10c

Lychnis Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft salmon-pink. May. 2 to 3 ft.

	Trade pkt.	Oz.	
3 ft.....	.35	....

Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft.....

	Trade pkt.	Oz.	
25c	.25	1.00	

Chalcedonica. Vivid scarlet flowers. 36 in. $\frac{1}{4}$ oz., 35c

	Trade pkt.	Oz.	
Haageana Hybrida. Mixed, extra choice, 18 in. ....	.25	....

$\frac{1}{4}$ oz., 80c

	Trade pkt.	Oz.	
Viscaria Splendens. Early, deep rose, 16 in. $\frac{1}{4}$ oz., 50c	.25	....

....

Lythrum Roseum Superbum. Rose-purple in spikes. A good border plant. 40 in.....

	Trade pkt.	Oz.	
$\frac{1}{4}$ oz., 50c	.25	1.80	

Superbum, The Beacon. Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting.....

	Trade pkt.	Oz.	
$\frac{1}{4}$ oz., 75c	.35	2.60	

Matricaria. (Feverfew). Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 18 in. grown outside, 2 to 3 ft. when grown under glass. Trade pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75.

Matricaria Golden Ball. Striking double golden yellow. Trade pkt. Oz. 8 in.....

	Trade pkt.	Oz.	
\$0.35		



LUPINUS *Polyphyllus*
Russell Mixture



MATRICARIA Double Select White



POPPY *Nudicaule* The Emperor

Myosotis. See Forget-Me-Not.

Trade pkt. Oz.

Native Wild Flowers. Mixed. $\frac{1}{4}$ oz., 60c \$0.25 \$2.20

Nepeta Mussini. X Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft. $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.20 .35

Nierembergia Hippomanica (Coerulea). X The lovely lavender-blue flowers, heightened by a touch of yellow in the center, are most charming. Plants are compact, not over 5 or 6 inches tall. As an edging plant it is unexcelled, and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection. $\frac{1}{32}$ oz., \$1.00; $\frac{1}{16}$ oz., \$1.75 .50

Coerulea, Purple Robe. Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color, from which it was selected. $\frac{1}{32}$ oz., \$1.65; $\frac{1}{16}$ oz., \$3.00 .50



ORIENTAL POPPIES

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Oenothera. Lamarkiana. Large yellow flowers on long spikes, 2 ft. \$0.15 \$0.50

Macrocarpa (Missouriensis). Large yellow flowers, fine trailer, June-Sept. 12 in. $\frac{1}{4}$ oz., \$1.00 .25

Youngei. Large yellow bloom. 18 in. $\frac{1}{4}$ oz., 60c .25 1.80

Pentstemon Grandiflorus. Excellent, easily grown, long lasting cut flower. Lavender-blue. 3 ft. $\frac{1}{4}$ oz., \$1.00 .30 3.60

Perennial Varieties. Mixed $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.10 .35

POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting.

Papaver Nudicaule X (Iceland). Amurensis 'Yellow Wonder.' Large flowers of buttercup-yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c \$0.25 \$3.20

Coonara. Salmon, pink and rose shades. 1 $\frac{1}{2}$ ft. $\frac{1}{4}$ oz., 65c .25 2.20

The Emperor. Large-flowered, orange, long-stemmed. $\frac{1}{4}$ oz., 70c .25 2.40

Gartford Giant Art Shades. This mixture is an excellent strain with exceptionally fine large flowers, beautifully fluted and soft textured, carried on extremely long heavy, wiry stems. The color range includes lovely pastel shades. $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00 .35

Kelmscott Strain. The best strain, strong wiry stems when well grown, 3 ft. long, large flowers in great variety of beautiful colors. $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00 .35

Sanford's Giant Hybrids. The flowers are immense, 2 $\frac{1}{2}$ to 3 inches in diameter. The color balance is excellent. The stems longest we have seen. Extremely free-flowering. 2 ft. $\frac{1}{4}$ oz., 65c .25 2.20

Vaughan's Special Mixture of Iceland Poppies, containing every worthwhile strain of these beautiful and useful Poppies. $\frac{1}{4}$ oz., 80c .25 2.80



PRIMULA Veris Monarch Strain



PLATYCODON

SINGLE PYRETHRUM
Robinson's Giant Hybrids Mixed

Seeds of Biennials and Hardy Perennials

POPPY—Continued

ORIENTAL POPPY

The named varieties of Oriental Poppies do not come entirely true from seed.

Trade pkt. Oz.

Oriental (Oriental Poppy). Scarlet. 3 ft.	$\frac{1}{4}$ oz., 55c	\$0.25	\$2.00
Brilliant. Brilliant fiery red. 40 in.	$\frac{1}{8}$ oz. 80c	.35	....
Mahony. Maroon-crimson. 40 in. . . . .		.35	....
Mrs. Perry. Salmon-rose. . . . .		.35	....
Perry's White. White flowers with a tinge of blush. . . . .		.50	....
Princess Victoria Louise. Flowers rather small, resembling a large tulip; perfect form; light orange-salmon. 40 in. $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.80		.50	....
New Oriental Hybrids. From a collection of new named sorts.	$\frac{1}{4}$ oz., \$1.00	.35	3.50
Vaughan's Special Mixture.	$\frac{1}{4}$ oz., \$1.00	.35	3.50

Physalis Franchetti Gigantea. (Chinese Lantern Plant). Large bright orange scarlet pods, useful for winter decorations.

.50

Physostegia Virginica Rosy Spire. Three to six foot spikes of large tubular rich rose colored flowers.

.50

Platycodon Grandiflorum. Blue, 28 in.

.35

Grandiflorum. Album. White, 28 in.

.35

Mixed, 28 in.

.30

Mariesii. Dark blue, dwarf. 16 in.

.35

Auricula.

3.00

Polemonium Coeruleum. (Jacob's Ladder). Album. White. 30 in.

.35

Coeruleum blue.

.35

Richardsoni. Dwarf, blue, early. 20 in.

.35

Polyanthus (See Primula Veris).

PRIMULA

Auricula. X Extra Large Flowered. Mixed, 6 in.

 $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.20

.75

Acaulis Blue. The finest obtainable being regular and rich in color. 100 seeds, 65c; 500 seeds, \$2.75; 1000 seeds, \$5.00.

.

Bullesiana Hybrids. X Fine shades of yellow, orange, apricot and carmine. May-June. 18 in.

.50

Japonica Mixed. Bright flowers borne in whorls on stems 6 to 9 in. long.

 $\frac{1}{8}$ oz., \$1.00

.50

Rock plants are followed by X, and the heights given are of the plants when in bloom.

PRIMULA VERIS

Trade pkt. Oz.

Veris Giant Crimson.	\$0.75	
Lutea. Yellow.	$\frac{1}{8}$ oz., \$1.00	.50

Colossea Mixed (Pfitzer's). The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than $1\frac{3}{4}$ inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper as well as the darkest red.	$\frac{1}{4}$ oz., \$4.50; $\frac{1}{8}$ oz., \$2.50	1.00	\$16.00
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Monarch Mixed. Is the result of years of selection to fix a strain free from objectionable loose headed plants. The flowers are produced from a stiff and strong central stem. Strong and vivid colors are in majority, but soft art shades occur in sufficient number to create a perfect blend of colors.	$\frac{1}{8}$ oz., \$2.25; $\frac{1}{4}$ oz., \$4.00	.75
Grandiflora. Mixed. Giant flowered finest mixed.	$\frac{1}{4}$ oz., \$3.25; $\frac{1}{8}$ oz., \$1.75	.75	....

Giant Munstead strain. Flowers of largest size containing fine shades in yellow and white.	$\frac{1}{16}$ oz., \$1.20; $\frac{1}{8}$ oz., \$2.25	.75
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Vulgaris. X True. Yellow Primrose. 6 in.	$\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75	.50
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PYRETHRUM (Painted Daisies)

Roseum. James Kelway. Deep scarlet varies.	$\frac{1}{8}$ oz., \$1.80	.75
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Roseum Rose.	$\frac{1}{8}$ oz., \$1.80	.75
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Grandiflorum Mixed. Large flowering.	$\frac{1}{4}$ oz., \$2.25	.50	8.00
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Giant Pink.	$\frac{1}{8}$ oz., \$1.50	.75
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Double Mixed. Extra choice.	$\frac{1}{8}$ oz., \$2.50	.75
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Single mixed.	$\frac{1}{4}$ oz., \$1.75; $\frac{1}{8}$ oz., \$1.00	.50	5.50
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Robinson's Giant Hybrids. Mixed.	$\frac{1}{4}$ oz., \$3.25; $\frac{1}{8}$ oz., \$1.85	.75
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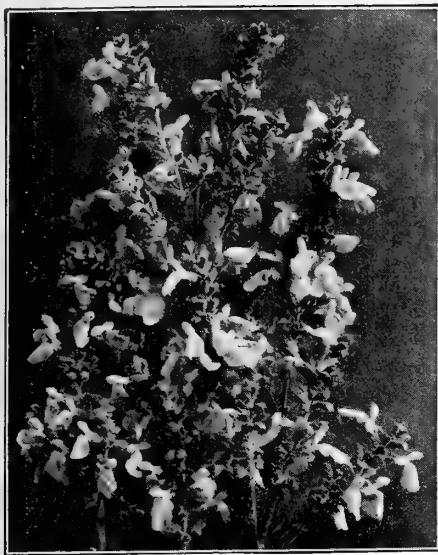
Robinson's Dark Crimson.	$\frac{1}{8}$ oz., \$1.00	.75
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Rock Plants. Perennial Mixed.	$\frac{1}{4}$ oz., 70c	.30	2.40
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Rudbeckia Hirta Herbstwald (Autumn tints). Well formed, large starflowers in yellow, bronze and brown shades on long, firm stems.	$\frac{1}{4}$ oz., 40c	.25	1.40
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Purpurea (Echinacea). 4 ft.	$\frac{1}{4}$ oz., 85c	.25	3.00
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Rock plants are followed by X, and the heights given are of the plants when in bloom.



SALVIA Azurea Grandiflora (Pitcheri)



STOKESIA Cyanea



VALERIANA Garden Heliotrope

Seeds of Biennials and Hardy Perennials

		Trade pkt.	Oz.	
Salvia Azurea Grandiflora (Pitcheri). Tall growth and long stalks. The deep blue flowers in long racemes.....		\$0.30	....
Patens. Very large flowers, splendid blue, free bloomer.....	1/4 oz., \$1.40	.50	....
Scabiosa Caucasica Alba. Pure white. 40 in.....		.35	....
Caucasica Perfecta. Lavender. Improved form, fringed flowers, very large and beautiful.....	1/4 oz., 65c	.30	\$2.40	
House's New Hybrids. Flowers very large and of beautiful form, ranging in color from light azure-blue and lavender to deep blue and silvery white.....	1/4 oz., 90c	.35	3.20	
Goldingensis. Large flowers, waved petals, small center, deep lavender.....		.35	....
Vaughan's Special Mixture. All the above Caucasica types.....	1/4 oz., 90c	.35	3.20	
Sidalcea Rose Queen. Splendid rose flowers. 1/4 oz., 75c		.35	....
Rosy Gem. Mallow rose, 18 in.....		.25	....
New Hybrids. Mixed.....		.35	....
Silene Schafta. X Bright pink, trailing habit, July. 8 in.....		.25	....
Statice Latifolia. Small lavender-blue flowers in large panicles. 1 ft.....	1/4 oz., 60c	.25	2.20	
Perezzii. Free-flowering lavender species. 30 in.....		.25	2.00	
Puberula. Dark violet, extremely valuable pot plant for summer and fall. 4 to 6 in.....	1/4 oz., 85c	.35	....
Stokesia Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer.....	1/4 oz., 80c	.35	2.80	
Cyanea Alba. Blush white variety. 16 in. 1/8 oz., \$1.00		.35	....
Sweet William. See Dianthus Barbatus.				
Thalictrum (Meadow Rue). Dipterocarpum. Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft.....	1/8 oz., \$1.00	.50	....
Thermopsis Caroliniana. Yellow pea-shaped flowers in long racemes. 3 ft.....	1/4 oz., 65c	.25	2.20	
Tritoma Hybrida. Perpetual-Flowering. Mixed. 3 ft.....		.35		
Hybrida Mirabilis. Blooms first year from seed		.35		
Miracle Mixture. Best of all.....	1/4 oz., 85c	.35	3.00	
Pfitzer's Hybrids. Large brilliant red. 1/4 oz., 65c		.30	2.20	
Trollius Europaeus (Golden Ball). Yellow, distinct, late bloomer.....	1/16 oz., 85c	.35	....
Lebedouri Golden Queen. Large flowers, petals golden orange, yellow anthers. 3 to 4 ft.....	1/16 oz., \$1.20	.50	....
Mixed.....		.50	....
Note: Soak Trollius seed in hot water 30 minutes before sowing.				

Rock plants are followed by X, and the heights given are of the plants when in bloom.

ANNUAL FLOWER SEEDS FOR FALL SOWING

Antirrhinum	Dianthus (Annual pinks)
Calendula	Gilia Capitata
Calliopsis	Gypsophila
Candytuft	Hunnemannia
Centaurea Cyanus	Larkspur
Cosmos	Mignonette
Cynoglossum (Chinese Forget-me-not)	Poppy Shirley

Seeds of Biennials and Hardy Perennials



VIOLA Cornuta. In Flower All Summer.

Viola

In most cases the true Violas are a better bedding subject than many Pansies.

Cornuta Arkwright Ruby. Bright ruby crimson, with Trade pkt. Oz. central markings; velvety; fragrant.....	$\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.60	\$0.50	\$8.00
Avalanche. Giant pure white.....	.50	....
Blue Beauty. Bright blue, early, free flowering....	.50	....
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield.....	$\frac{1}{4}$ oz., \$1.20	.50	4.00
Blue Perfection. Light blue, large flowered. 8 in.	$\frac{1}{4}$ oz., \$1.35	.35	4.80
Chantreyland. Masses of beautiful flowers in rich apricot shade, tinted orange.....	$\frac{1}{4}$ oz.	\$2.25	....
Chinese Blue is a round-faced type of Viola. Chinese Blue, according to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott.....	$\frac{1}{8}$ oz., \$1.00	.50	....
Jersey Gem. Compact habit, deep violet-blue. 8 in. Free flowering.....	.50	....
King Henry. Rich violet blue lavender center with small yellow eye.....	$\frac{1}{8}$ oz., \$1.00	.50	....
Lutea Splendens. Chrome yellow. 8 in.....	$\frac{1}{4}$ oz., \$1.20	.50	4.00
Papilio. Blue and white. 6 in.....	$\frac{1}{4}$ oz., \$1.25	.35	....
W. H. Woodgate. Violet-purple, large, round flowers.....	.75	....
Yellow Gem. Compact habit, clear yellow flower.....	$\frac{1}{4}$ oz., \$1.20	.35	....
White Perfection. White. Large flowered. 8 in....	$\frac{1}{4}$ oz., \$1.35	.35	4.80
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture.....	$\frac{1}{4}$ oz., \$1.40	.35	5.00
Large Flowering Scotch. This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tone effect without blotches.....	.50	....

Viola—Various Types

Blue Elf. 9 in. The upper petals are deep violet blue, Trade pkt. Oz. lower petals light violet blue with gold eye and black lines radiating from center, small dark green foliage. Seed sown in March will begin blooming in June and continue to August.....	$\frac{1}{8}$ oz., \$1.40; $\frac{1}{16}$ oz., 80c	\$0.50	....
Baby Delight. Early flowering, blooming in 70 days from seed. Makes compact bushy growth. The flower is lovely light blue, with a pleasing "face," about one inch in diameter... $\frac{1}{4}$ oz., \$1.50	.35	\$5.00	
Mrs. A. H. Scott. 4 in. Top petals white, lower violet purple very bright. An excellent rock plant.....	.50	....
Florariense. Beautiful lavender.....	.50	....
Johnny Jump Up. Little Pansy faces of purple, blue and yellow.....	$\frac{1}{8}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50	....
Helen Mount. Average height about 8" with about a 12" spread of plant. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal or lip is canary yellow with black lines radiating from the eye. In one of our trials, it was noted that one plant had 36 blossoms full out, with 12 past and setting seeds and dozens of buds still to open. Planted indoors in early spring and transplanted outside as soon as weather permitted, about three months would require to bring the plants into full bloom.....	$\frac{1}{8}$ oz., 75c	....
Nigra (Black Imp). Interesting and attractive little pansy, pretty small black flowers.....	$\frac{1}{8}$ oz., \$1.00	.50	....

BOOKS FOR FLORISTS

COMMERCIAL FLOWER FORCING. By Laurie and Kiplinger. Fourth Edition.

The object of this concise treatise is to cover the fundamentals involved in the growing of various flower crops used for commercial purposes and deal with them from the viewpoint of practical culture. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 49 illustrations. 598 pages. \$4.50

10,000 GARDEN QUESTIONS. F. F. Rockwell, editor.

Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems . . . Helpful diagrams and illustrations supplement the text . . . A quick-action index places all the information at your finger tips. 23,000 gardeners asked the questions. The questions on which this brand new garden manual is built are bona fide inquiries received from real gardening amateurs all over the country. Their problems are your problems. The enormous scope covers the whole broad field of amateur gardening! 35 famous authorities answered the questions. 1467 pages. Hundreds of specially drawn illustrations. \$3.95

PROPAGATION OF PLANTS. By Kains and McQuesten.

A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management.

In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and why of all processes. 569 pages. \$3.50

GARDEN ENCYCLOPEDIA. An Encyclopedia of Gardening.

Complete in one volume. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete, more detailed, more understandable, more usable than any other garden book ever prepared. 1300 pages. 750 illustrations including 250 photographs. New edition. \$4.00

Bulbs for Mid-Summer and Early Fall

White Calla

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice premature cutting off the tops, expose bulbs to the sun, in order to make early shipment.

Our stock is thoroughly cured in the ground and dried carefully before they are packed. This means later delivery but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	Per 1,000
1 1/4-1 1/2 inches	\$11.00	\$100.00
1 1/2-1 3/4 inches	19.00	175.00
1 3/4 inches and up	24.00	230.00

Yellow Callas

(Elliotiana)

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

Size	Doz.	Per 100	Per 1,000
2-2 1/2 inch	\$2.00	\$15.00	\$135.00
2 1/2-3 inch	3.50	25.00	235.00
3-3 1/2 inch and up	5.50	37.00	350.00

Freesias—California Grown

Freesia flowers still have brought good prices in all markets. Why not plant a few bulbs for your own trade? Start bulbs in flats carried in cold frames until killing frosts come, then bring them into the greenhouse and force for early flowers.

ELDER'S GIANT WHITE (Patented)

Much demand for the flowers on all markets because of the size and strong stems.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.50	\$18.00

VAUGHAN'S PEONIES

3 to 5 Eye Divisions

5 of a Kind at the 10 Rate—30 of a Kind at the 100 Rate

The figures preceding the varieties are the rating given to them by the American Peony Society.

	Each	10	100
8.8 Alsace Lorraine.	Creamy white, center tinted Havana brown. Very beautiful form; late midseason.	\$0.60	\$5.00
7.6 Edulis Superba.	Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.	.50	4.00
8.4 Felix Crouse.	Large globular blooms of rich, even, brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety.	.60	5.00
8.2 Grover Cleveland.	Large compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable reds. Late mid-season.	.60	5.00
8.8 Karl Rosefield.	Very large flower, globular, semi-rose type. Extremely vigorous grower; tall, early.	.75	6.00
7.9 Mad. de Verneuil.	Fragrant flowers, very full double, pure white, with center delicately tinted blush. Early.	.50	3.50
9.2 Mons. Jules Elie.	By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety.	.75	6.00
8.7 Reine Hortense (President Taft).	One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason.	.60	5.00
			40.00

UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

	Each	10	100
Double Pink	\$0.50	\$3.50	\$27.00
Double Red	.50	4.00	32.50
Double White	.50	3.50	27.00

Our complete collection of Peonies, including new varieties, will be listed with prices in our Fall Book For Florists, ready about September 1st.

Freesias—Continued

GOLDEN DAFFODIL

The yellow you must have with your planting of the White varieties. Color, clear, light yellow and orange blotch. Large flowers on strong, stiff stem. $\frac{1}{2}$ to $\frac{5}{8}$ in., per 100, \$2.00; per 1,000, \$14.00; $\frac{5}{8}$ to $\frac{3}{4}$ in., per 100, \$2.75; per 1,000, \$20.00.

KOKOMO

A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.25	\$15.00

ORCHIDEA

Very large open, perfectly shaped flowers of softest pearly-mauve with yellow throat. Long strong stalk.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.35	\$16.00

PURITY—TRUE STRAIN

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.00	\$14.00

SCHROEDERS WHITE (Patented)

Pure white, sturdy grower with strong stems. 18 to 20 inch long.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.35	\$16.00

SUNSET

An entirely new color in Freesias being a flame orange, reminding you of the glorious sunsets of California. This variety was the greatest attraction in the field during the flowering season.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.00	\$14.00

WHITE CHIEF (Early Giant White)

Brings 3 to 4 times the price of Purity on the Flower Markets. Stems average 18 to 30 inches long; single flowers 2 1/2 inches long.

Size	Per 100	Per 1,000
1/2 to 5/8 in.	\$2.00	\$14.00

RAINBOW MIXED

Size	Per 100	Per 1,000
1/2-5/8 in.	\$2.00	\$14.00

VAUGHAN'S IRISES

"S" refers to the three standard or upright curling petals.

"F" refers to the three falls or drooping petals.

All prices are F.O.B. Western Springs, Ill., packing charges to be added at cost.

	Each	10	25
Autumn King.	30 in. A large blue-purple bicolor.	\$0.25	\$2.00
Buechley Giant.	40 in. Clear lavender-blue bicolor of perfect form and sensational size.	.35	3.00
California Gold.	36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow.	.35	3.00
Cherrio.	40 in. Considered the most brilliant of all red Irises. "S" tan flushed rose; "F" rich glowing red.	.30	2.50
Crystal Beauty.	40 in. Large, perfectly shaped flowers of pure, snow-white on well-branched stalks.	.30	2.50
Depute Nomblot.	50 in. "S" coppery-red, flushed bronze; "F" rich claret crimson. A magnificent Iris.	.35	3.00
E. B. Williamson.	36 in. Rich, glowing coppery-red with a silky sheen. Very unusual and extra fine.	.50	4.00
Eleanor Roosevelt.	28 in. Deep velvety purple self. Profuse bloomer twice a year.	.30	2.50
Frieda Mohr.	42 in. A gigantic pink-toned Iris of perfect form and brilliant coloring. Fragrant.	.30	2.50
Gudrun.	36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat.	.40	3.50
Happy Days.	40 in. An immense clear yellow with flowers over 7 inches from top to bottom.	.35	3.00
Indian Chief.	40 in. "S" pinkish red; "F" glowing velvety red. A prolific bloomer. Early.	.30	2.50
Indian Hills.	37 in. A stunning Iris of rich wine purple.	.35	3.00
Jean Cayeaux.	38 in. A beautiful blending of coffee brown with a golden glint. A masterpiece.	.35	3.00
Junatafska.	40 in. "S" rosy copper threaded with gold; Missouri. 36 in. Clear vivid blue of sensational size.	.40	3.00
Naranja.	40 in. Large yellow with orange-yellow falls.	.30	2.50
Pink Satin.	42 in. Large finely shaped flowers of a very delicate, yet glistening pink.	.35	3.00
Red Dominion.	40 in. An outstanding variety of glowing ox-blood red.	.35	3.00
Royal Coach.	36 in. "S" chamois yellow, overlaid pink with faint cinnamon dottings; "F" semi-flaring, bright yellow, beautifully bordered and dotted brown.	.40	3.50
The Black Douglas.	38 in. "S" dark violet; "F" blackish violet. A richly colored Iris of good form.	.35	3.00
Wm. Mohr.	26 in. Basic Color is pale lilac with "S" flushed darker. Beautifully veined manganese-violet. One of the most remarkable Iris ever raised.	.30	2.50

We have a large collection of Hardy Irises, including the best of newer varieties. Write for complete price list, will be ready in early July.

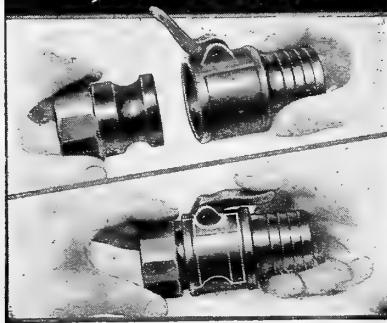
Rubber Hose, Couplers, Nozzles, Etc.

VAUGHAN'S $\frac{3}{4}$ INCH WATER HOSE.

This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. Price 28c per foot. Couplings, 35c per set extra. This hose can be furnished in any length. $\frac{5}{8}$ in. Single Braid Hose. Price, per 50 ft. length, \$5.00. Price, $\frac{3}{4}$ or $\frac{1}{2}$ -inch couplings, 35c per set.



JUST PRESS THE LEVER—
Instant, tight connection—
a great time-saver!



SPRAY HOSE. For high pressure spraying. $\frac{3}{8}$ in., per ft., 30c; $\frac{1}{2}$ -in., per ft., 35c.

HOSE COUPLING,

Improved Ever-Tight.
No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 60c; doz., \$6.00.

HOSE STRAPS, Caldwell. For $\frac{1}{2}$, $\frac{3}{4}$ and 1-inch hose. Dozen, 40c; gross, \$3.75.

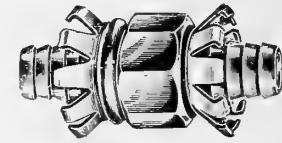
"Ampco" GUARANTEED HOSE—Clear amber greenhouse hose, kink proof, crack proof, light as a feather, guaranteed for 5 years, equipped with precision machined fittings. A miracle of modern chemistry, a guaranteed plastic, originally designed and used for oil and fuel lines in war plants and battleships. The weather elements will have no effect and will not deteriorate this hose. Weights only 25% of ordinary rubber hose making it very easy to carry where necessary. $\frac{3}{4}$ inch amber, price, 50 ft. length \$17.50 each, coupled.

BRASS CLINCHER HOSE COUPLING. Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 40c; doz., \$3.95.



Brass Clincher
Hose Mender

Price each, 15c;
doz., \$1.35.



JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ inch, each, 75c; by mail, 90c; doz., \$7.20.



Paradise Syringing Nozzle. 10-inch, each, \$2.75; 18-inch, each, \$3.25; extra tips, each, 35c.

Vaughan's High-Grade Fertilizers

NOTE—These prices are f. o. b. New York

ADCO ARTIFICIAL STABLE MANURE. Ceiling prices, $7\frac{1}{2}$ lbs., 85c; doz., \$8.40; 25-lb. bags, \$2.00; 150-lb. bags, each \$10.50.

ALUMINUM SULPHATE. For creating acid conditions in the soil. Ceiling prices, 251bs., \$1.25; 100 lbs., \$3.50; 500 lbs., \$16.00.

VAUGHAN'S SPECIAL ROSE GROWER BONE MEAL. "Rose Grower." This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3.70 percent; total phosphoric acid, 20 percent. Ceiling prices, 100 lbs., \$4.00; 1,000 lbs., \$35.00.

BACTO BACTERIAL COMPOSITION. Makes fertilizer out of garbage, sewage, leaves, garden rubbish, sawdust, etc. Cheaply and quickly deodorizes outdoor toilets. Ceiling prices, 51bs., \$1.45; 20 pkgs. for \$19.80; 25 lb. bag, \$4.25; 4 bags for \$13.20; trial size of 10 4-oz. pkgs., \$2.50.

BONE AND BLOOD. Use one pound to bushel of soil for potting soils, one-fourth pound to square yard as top dressing. Ceiling prices, 100 lbs., \$3.25; 1,000 lbs., \$30.00; 2,000 lbs., \$58.00.

CATTL MANURE, Shredded. High grade natural fertilizer. Ceiling prices, 100 lbs., \$2.25; 1,000 lbs., \$22.50; 2,000 lbs., \$44.50.

DRICONURE. A good fertilizer with a peat moss base impregnated with a high grade manure. Ceiling price, 50 lb. bag, \$1.90.

DRIED BLOOD. Ceiling price, \$7.50.

HYPONEX PLANT FOOD. For growing plants in soil, sand or water. Ideal for starting seeds and cuttings. 1 teaspoon makes a gallon of plant food; 1 lb. makes 100 gallons. Ceiling prices, 25c size 36 to carton, \$6.00; \$1.00 size 12 to case \$8.00; 10 lb., \$5.35; 25 lbs., \$10.00.

FULTON'S PLANTABBS. Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Put up in boxes. Ceiling prices, 10c size, doz., 72c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; \$1.00 size, doz., \$8.00; \$3.50 size, each, \$2.35. Special discount of 5% on orders totaling \$6.00 to \$12.00; 10% on orders over \$12.00.

GRANULATED PEAT MOSS (Imported). Per bale of about 22 bushels, Ceiling price, \$4.00; 5 bales or more, \$3.75. Write for quantity lot prices $\frac{1}{2}$ bales, \$2.25.

ELECTRA. (F. O. B. Massachusetts). A great favorite with private gardeners and commercial growers. High in organics. Ceiling price, 100 lbs., \$6.75.

HARDWOOD ASHES. Canadian Imported. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. Is spread on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Ceiling prices, 100 lbs., \$2.75; 1,000 lbs., \$22.00; 2,000 lbs., \$42.00.

HORN DUST. Has same effect as Horn shavings except it is immediately available. Ceiling price, 100 lbs., \$6.50.

HORN SHAVINGS, Synthetic. Quick acting and lasting. 100 lbs., \$6.00.

HY-GRO. The soluble plant food, 13-26-13. The nearest fertilizer to Nitrophaska. Excellent for forcing. If given a little counter space will bring results. Ceiling prices, 3 oz. retails 25c each, packed 12 to a display carton, \$1.80 per carton. 20-oz. retails for \$1.00, packed 12 to a carton, \$7.20 per carton. 10 lbs. retails for \$4.00, packed single carton, each, \$2.40.

LEAF MOLD. Sifted re-cleaned, put up in two bushel bag. Ceiling prices per hundred lbs. \$3.00; 1000 lbs., \$25.00; 2000 lbs., \$40.00.

MURIATE OF POTASH. 100 lb., \$4.00; 500 lbs., \$18.00; 1,000 lbs., \$35.00.

The highest grade only. Guaranteed analysis. Prices net cash.

NITRATE OF SODA. 16% nitrogen. 100 lbs., \$3.50; 1,000 lbs., \$32.50.

ORCHID PEAT. Ceiling prices, two bushel bag, \$3.50 each.

SHEEP MANURE. Vaughan's Pulverized. Pure, dry, finely ground. Ceiling prices, 25 lbs., 80c; 50 lbs., \$1.25; 100 lbs., \$2.15; 1,000 lbs., \$21.00; 2,000 lbs., \$40.00.

SULPHATE OF POTASH 48%. Ceiling prices, 100 lbs., \$4.00; 500 lbs., \$18.00; 1,000 lbs., \$35.00.

SUPERPHOSPHATE. 20% available. Ceiling prices, 100 lbs., \$2.00; 1,000 lbs., \$14.00; 2,000 lbs., \$26.00.

UREA. A highly concentrated fertilizer, containing 46% available nitrogen. Clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees. 92 times stronger than manure. 100 lbs., \$7.50.

AGRICO. For Lawns, Trees, Shrubs and Flowers, 6-10-4. Ceiling prices, 5-lb., packed ten to a bale, each, 30c; retails at 45c; 10-lb. packed six to a bale, each, 53c; retails for 85c; 25-lb., packed four to a bale, each, \$1.00; retails at \$1.50; 50-lb., two to a bale, each, \$1.70; retails for \$2.50; 100-lb., \$2.75; retails for \$4.00.

AGRICO GARDEN FERTILIZER. Ceiling prices, 10lb., packed six to a bale, each, 53c; retails for 80c; 25lb., packed four to a bale, each, \$1.00; retails for \$1.40; 50 lb., packed two to a bale, each, \$1.55; retails for \$2.20; 100 lb., each, \$2.50; retails for \$3.50.

AGRICO. For Commercial Growing. 4-12-4. A well balanced fertilizer for the commercial grower, can be used on practically everything in Greenhouse forcing or outside—neutral in its reactions. Ceiling prices, 100 lbs., \$2.70. On all Agrico we will prepay delivery on 500 lbs. or more and will allow an additional 5% Discount for ton lots.

VIGORO. A specially prepared plant food. It contains all elements plants need for healthy growth. Ceiling prices, 5 lbs., 29c, retails for 45c; 10 lbs., 56c, retails for 85c; 25 lbs., \$1.00, retails for \$1.50; 50 lbs., \$1.70, retails for \$2.50; 100 lbs., \$2.75, retails for \$4.00. 500 lbs. delivered free to your railroad station within 500 miles of New York.

VIGORO GARDEN FERTILIZER. 5-10-5. Ceiling prices, 5 lbs., 35c, retails 50c; 10 lbs., 56c, retails for 80c; 25 lbs., \$1.05, retails for \$1.45; 50 lbs., \$1.70, retails for \$2.35; 100 lbs., \$2.70, retails at \$3.70.

VIGORO FERTILIZER TABLETS. 24 tablets per box, 30 boxes in display case. Ceiling prices, case at \$1.80, retails at 10c each.

ARMOUR'S SPECIAL ORNAMENTAL FERTILIZER. For flowers, lawns, trees, and shrubs, 6-12-4. Ceiling prices, 251bs., \$1.00, retails at \$1.50; 50 lbs., \$1.70, retails at \$2.50; 100 lbs., \$2.75; retails at \$4.00.

ARMOUR'S GARDEN FERTILIZER. Ceiling prices, 251bs., 85c, retails, \$1.25; 50 lbs., \$1.45; retails for \$2.15; 100 lbs., \$2.40; retails for \$3.50.

POULTEK FERTILIZER. 4-3-2. All organic no restrictions; may be used on Lawns, Trees, Shrubs, Ideal for Vegetables, and all plants inside and outside; packed in 25 lbs. and 50 lbs. only. Ceiling prices, 25 lb., \$1.00; retails for \$1.50; 50 lbs. costs \$1.75, retails for \$2.50.

COMPO. After years of experimenting, the manufacturers of Compo, have developed this new decomposing material which should be used on all compost piles. This is a sure seller and money-making item and should be carried in all flower shops.

7½ lbs.—will make 375 lbs. of manure—10 to case—\$10.00 per case

less 33 $\frac{1}{3}$ %*

25 lbs.—will make 1250 lbs. of manure—\$2.00 less 33 $\frac{1}{3}$ %.

100 lbs.—will make 2½ tons of manure—\$7.00 less 33 $\frac{1}{3}$ %.

Due to limited supply of Fertilizer and materials, we are unable to list all those items that we have been selling for many years. But some may be available from time to time. We would, therefore appreciate your inquiries on all your requirements. All such inquiries will be answered the same day received.

Sodium Selente Makes Plants Poison Insects

Sodium selenate, which Dr. W. E. Blauvelt of Cornell University told a florists' meeting at Cornell University, "is out of the experimental stage," when applied to the soil in a greenhouse bench is absorbed by the plants, and makes them poisonous to insects.

Not all insects are affected. It works best with soft plants like chrysanthemums, carnations, gladioli, cyclamens, saintpaulias, etc., and has not been found entirely effective on woody plants. It kills red spider and aphis on chrysanthemums and carnations, cyclamen mites on chrysanthemums and saintpaulias, foliar nematodes and midge on chrysanthemums.

Complete instructions for use are sent with the material and must be followed closely. To emphasize the need for care in the use of this new material, we ask all purchasers to sign a release to us of all responsibility for any damage which may be caused. Two forms are available.

Pure Sodium Selenate is a granular powder, very concentrated: One pound treats 1,800 square feet of bench area. This material is completely water-soluble. 100 grams (makes 1 gallon) prepaid \$1.50; per lb., \$4.00. By express, charges collect.

P-40 is two per cent sodium selenate and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treat only 100 square feet of bench area. 3 lbs., \$1.50 prepaid; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.00, by express, charges collect.

AZOFUME 70 (AZOBENZINE)

The new fumigant for controlling Red Spiders on roses. Price per 5 lb. package, \$10.00; 10 lbs., \$17.50; 25 lbs., \$37.50; 50 lbs., \$62.50; 100 lbs., \$100.00.

RED ARROW WALL AND SCREEN SPRAY. 5% D. D. T.

This is residual spray. Can be sprayed or brushed on screens, fine mist can be applied to walls most anywhere. Kills mosquitoes, flies, bedbugs, etc. Ideal for use in kennels, poultry houses, camps, dairy barns, outdoor toilets, etc. One quart will cover approximately 250 sq. ft. Lasts for several weeks after applying. Quarts retail at 60c; packed 12 to carton—price per carton \$4.50. Gallons retail at \$1.95 each. Price per carton of 6, \$7.80. Write for price on larger containers.

All Forms of D. D. T.

D. D. T. 40% WETTABLE DUST. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., retails \$1.00 per doz., \$8.00; 1 lb. retails \$1.35, per doz., \$9.00; 5 lbs., \$4.00; 25 lbs., \$15.00.

D. D. T. 30% LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettatable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., retails, \$1.50, price per doz., \$10.80; gals. each, \$12.50.

D. D. T. HOUSEHOLD SPRAY. An oil spray for lasting control of pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Pints per doz., \$3.60; qts. per doz., \$4.80; gals. per carton of 4-1 gals., \$4.80.

D. D. T. 5% DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. retails, 35c; per doz., \$2.80; per carton of 24, \$5.40. 25 lbs., \$3.25; 50 lbs., \$6.00.

D. D. T. AEROSOL BOMB. When released from the bomb in five to seven seconds, non-poisonous Freeon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., retails, \$3.00; six for \$13.50; per carton of 12, \$24.00.



FERMATE. This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 10 lbs., \$11.00; 25 lbs., \$25.00, shipped by express, charges collect.

Hormones

PLANT STIM. This is a complete Hormone, including necessary vitamins for treating of transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B1 complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants and prevents wilt. 3 oz. retails for 50c, per case of 24, \$7.20; price 1 lb., \$2.00; 5 lbs., \$7.50.

SEED-LESS-SET HORMONE SPRAY

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. 4 oz. size, each, 50c; carton of 24 bottles, \$7.20. 8 oz. retails at \$1.00, per case of 12, \$7.20; quart, \$3.00; gallon, \$9.00.

2-4D Dandy Kill Weed Killer

The new scientific marvel that destroys most weeds, but is harmless to Blue Grass.

Size of Pkg.	Area Treated	Number Bottles in Case	Cost to you per Case	Retail Each
2 oz.	800 Sq. ft.	24	\$ 7.20	.50
6 oz.	2,500 Sq. ft.	12	7.20	1.00
24 oz.	10,000 Sq. ft.	6	10.80	3.00

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price per quart, \$3.00; gallon, \$10.00; 5 gals., \$35.00; 54 gals., \$324.00.

WEEDONE

TRADE MARK

A Hormone powder easy to use; anyone can apply safely; no skill is needed to apply; Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, $\frac{1}{2}$ -oz. pkt., 25c; doz., \$2.00; 2-oz. jar, enough to treat 3,000 cuttings, \$1.00; doz., \$8.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet, all postpaid.

ROOTONE No. 10. For slow to root evergreen cuttings: 2 oz., each, \$2.00; 1 lb., each, \$10.00.

TRANSPLANTONE. For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. $\frac{1}{2}$ -oz. ptk., each, 25c; doz., \$2.00; 3 oz., \$1.00; doz., \$8.00; 1 lb., \$4.00.

FRUITONE. The hormone spray for stopping pre-harvest drop of apples and other fruits. Also reduces drop of flowers and leaves. 2/5 oz. ptk. dozen, \$2.00, retail at 25c per ptk.; 2 oz. makes 25 gal. spray); \$1.00; doz., \$8.00; 12 oz., \$5.00. Write for price on larger quantities.

ZOOM VITAMIN B1. The bottle has a dropper top, 2-oz. bottle, each \$1.00; display box of 12 bottles, \$7.33.

HORMODIN POWDER. Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00.

No. 1 Powder 1 $\frac{3}{4}$ -oz. tin, each, 50c; lb., \$3.00.

No. 2 Powder 1 $\frac{3}{4}$ -oz. tin, each 75c; 1 lb., \$4.50.

No. 3 Powder 1-oz. tin, each, \$1.00; $\frac{1}{2}$ lb., \$4.50.

SOIL-SOAKER
IDEAL FOR LAWN, SHRUBS,
GARDEN, TREES
CANVAS HOSE SEEKS AT
EVERY PORE

Puts Water Exactly
WHERE YOU
WANT IT

"HERBICIDE"
THE WEED EXTERMINATOR
For Paths, Cobble,
Gutters, Drives,
Tennis Courts, etc.

the treated ground until the dead leaves wither
way. Qt., 50c; gal., \$1.50; 5 gals., \$6.00;
10 gals., \$10.00; 55 gals., \$35.00.

SOIL SOAKER
Irrigation hose for deep soaking. No. 0—
12 ft., each, \$1.15; six for \$5.75; No. 1—18 ft.
each, \$1.50; six for \$7.90; No. 2—3 ft., each
\$2.25; six for \$11.90. No. 3—50 ft., each,
\$3.50; six for \$19.50.

Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

ACME BAIT-M with Metaldehyde. A double-action insect bait. To control cutworms, sow bugs, grasshoppers and earwigs. Ceiling prices 1 lb., 25c, doz., \$2.00; 2½ lb., 50c; doz., \$4.00.

ACME EMO-NIK. A combination spray of nicotine and summer oil emulsion for aphids scale, thrip, mealy bug, etc. Ceiling prices, 4½ oz., 35c; doz., \$2.52; pint, 65c; doz., \$5.20; gal., \$2.80.

ACME SCIENTIFIC ROSE SPRAY. For roses, flowers and shrubs of all kinds. Consists of three elements for controlling sucking and chewing insects, black spot and other fungus diseases. No. 3 kit will make 12 qts. Ceiling prices, each, 95c; doz., \$6.84. No. 6 kit will make 24 qts. Ceiling prices, each, \$1.50; six, \$5.40. No. 24 kit will make 96 qts. Ceiling prices, each, \$4.00; three for \$7.20.

ACME KOPPER QUEEN. A strong liquid copper spray for control of mildew, leaf rot and black spot on roses, flowers and plants. Ceiling prices, 8 oz., 35c; doz., \$2.40; qt., 75c; gal., \$2.00.

APHINE. Ceiling prices, pt., 75c; 1 qt., \$1.00; 1 gal., \$3.00.

ARASAN. Ceiling prices, 5 lbs., \$6.45; 25 lbs., \$30.00; 100 lbs., \$115.00.

ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. Ceiling prices, 1-lb. carton, 30c; doz., \$2.80; case of 24, \$5.40; 4-lb. bag, 75c; 48 lbs., \$7.20; 100 lbs., \$14.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lbs., 50c; doz., \$4.20.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. Ceiling prices, lb., 30c; doz., \$2.80; 4 lbs., 75c; case of 24 lbs., \$3.75.

CALCIUM ARSENATE. (Dry.) Ceiling prices, lb., 30c; 4 lbs., 70c.

CARBON DISULPHIDE. For ants and cut worms. Ceiling prices, 1 lb., 50c; doz., \$4.20.

COPPER SULPHATE. Crystals. Ceiling prices, 10 lbs., \$1.50; 25 lbs., \$3.50; 100 lbs., \$12.00.

CORROSIVE SUBLIMATE. Calomel, Calogreen, Calochlor, and other mercurials. Due to fluctuating market, write for prices.

CUPRINOL WOOD PRESERVATIVE. Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood. Ceiling prices, per gallon, \$2.90; 5 gals. for \$14.00; 50 gal. drum, \$135.00.

CYANOGENS "A" GRADE. For moles, rats, gophers, and other rodents. Ceiling prices, 1 lb., doz., \$6.00; 5 lbs., each, \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00; 4-oz. tins for ants, doz., \$2.40.

CYANOGENS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00. Write for leaflet; freight prepaid on 100-lb. lots.

D. N. SULPHUR DUST No. 10. A new and very effective control for red spider, thrips, and rust diseases on carnations. Ceiling prices, 10-lb. bag, \$3.50; case of 5 bags, 50 lbs., for \$12.50.

D. N. DUST No. 12. For control of red spider, mite and thrips on roses, calla lilies, snapdragons, gardenias and carnations. The active element in D.N. Dust No. 12 is a dinitro compound effective in all stages of mite development. Should be used before blooming period. Ceiling prices, per 10-lb. bag, \$4.50, case of 5 10-lb. bags, \$20.00.

DOWSPRAY 17. A Dinitro Compound for use as a wet spray to control red mite and thrips. Helps produce better foliage. Protection for roses, carnations, calla lilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in ¾-lb. cans, 9 to a case. Ceiling prices, each, \$2.50; per case, \$20.25.

DOWFUME G. New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 113 lbs., ceiling price 25c per lb.; 55 gal. drum, weight 597 lbs., 20c per lb. 55 gal. drum charge \$6.00. Returnable for credit.

D.X. PYRETHRUM-ROTELONE DDT SPRAY. A concentrated plant spray containing Rotenone-Pyrethrum-DDT in an active glyceride base. Controls sucking and chewing insects. Price 1½ oz. packed 24 to case, \$4.80 per case; 8 oz. packed 24 to a case, price per case \$18.48; quarts packed 12 to case, per case \$31.80; gallon each, \$10.00; 5 gallons each, \$42.50.

DOWFUME G APPLICATORS. Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., ceiling price, each, \$20.00; Type 45-AP, height 42 in., price \$20.00.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; doz., \$3.00; 5 lbs., \$1.50; 25 lbs. \$4.50; 100 lbs., \$11.50.

DX PYRETHRUM. Scientific Pyrethrum Spray. Ceiling Price: Per gallon, \$10.75.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 30c; doz., \$2.50; 7½ lbs., \$2.00.

FLOWERS OF SULPHUR. Dusting grade. Ceiling prices, lb., 15c; 10 lbs., \$1.00; 50 lbs., \$2.45; 2 bags for \$4.25.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

FUME TOBAC. Fumigating Powder. Ceiling prices, 25-lb. drum, \$5.00; 50-lb. drum, \$8.00; 100-lb. drum, \$15.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Ceiling prices, pt., 60c; qt., \$1.00; gal., \$3.00.

GRASELI S. S. 3 COMBINED SPREADER AND STICKER. Designed especially for use with agricultural sprays. Ceiling prices, pt., 75c; gal., \$4.75.

KRYOCIDE D50 WITH SULPHUR. A combination insecticide and fungicide for chewing insects. Contains natural Cryolite. Retails at 50c per lb. Ceiling price per carton of 24 cans, \$7.20; 3 lb. bag retails for 85c; carton of 12 cans, \$6.60.

L 333. ROTENONE PLANT SPRAY. Ceiling prices, gal., \$10.75; 5 gals. for \$48.75.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

LIBERSOL. Pyrethrum Spray. Ceiling Price: Per gallon, \$11.00.

LORO. A new contact insecticide for controlling aphids, thrips, red spiders, etc. Ceiling prices, pt., \$2.00; gal., \$10.50; 5 gals., \$45.00.

METHYL BROMIDE. An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Ceiling prices, per lb. can, \$1.15; 10-lb. cylinder, \$7.75. Write for price on larger cylinders.

NEW IMPROVED CERESAN. Ceiling Prices: 1-lb. can, 80c; 4 lbs., \$2.70; 25 lbs., \$15.00; 100 lbs., \$55.00.

NICO-FUME HOLDER. For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Ceiling price, each, 85c.

NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. Ceiling prices, lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25; 40 lbs., \$45.75.

NICO-FUME PRESSURE FUMIGATOR. Put up in ½-lb. and 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. Ceiling prices, ½-lb. cans, 45c; six for \$2.50; doz., \$4.45; 1-lb. cans, 75c; six for \$3.95; doz., \$7.40. Orders for 36 1-lb. cans or 60 ½-lb. cans, prepaid by freight in United States and many parts of Canada. Also on a combined shipment of both sizes in full case lots weighing a total of not less than 50 lbs.

NICO-ROTE. A combination of nicotine and rotenone. Kills by contact and fumes. Ceiling prices, qt., \$4.00; gal., \$12.00.

NO-PY-RO. The new synthetic insecticide for controlling aphids, mealy bug, green and white fly, etc. Ceiling prices, per quart, \$3.00; gal., \$10.00; 5 gals., \$45.00.

No. 10 REFINED ROSE SPECIAL. For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Ceiling prices, per gal., \$10.00; 5 gals., \$45.00.

PARIS GREEN. For chewing insects on potatoes and certain other hardy plants. Kills quickest. Ceiling prices, ¼-lb. carton, 20c; doz., \$1.80; 1 lb., 45c; 5 lbs., \$1.95; 14 lbs., \$4.75.

C IDE—Continued.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 75c; gal., \$1.75; 5 gals., \$6.75.

PINE TAR. For tree surgery. Ceiling prices, qt., 60c; gal., \$1.25.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling Prices: Lb., 50c; doz., \$4.00; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. Ceiling Prices: Lb., 75c; doz., \$6.00; 5 lbs., \$3.00.

PYRETHRUM POWDER. Ceiling Prices: Lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.25; 25 lbs., \$14.75. Write for price on larger quantities.

RESPIRATORS. For mild fumigating and dusting. Each, \$2.25.

SALP. An effective insecticide for destroying thrips, leaf rollers and other chewing insects. Use at a ratio of 2 lbs. Salp with 4 lbs. sugar to make 100 gallons of solution. Where a sticker is required, 5 lbs. of flour can be added to the 100 gallons. Ceiling Prices: 10-lb. container, \$3.20; 100-lb. container, \$21.00. Prices f.o.b. Elizabethport, N. J.

SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Ceiling Prices: 4 lbs., 50c; 6 for \$2.75; 100 lbs., \$8.00.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling Prices: $\frac{1}{3}$ oz. pkg., doz., 80c; 2 oz., 40c; doz., \$3.20; 12 oz., \$2.00; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL With Metaldehyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling Price: 1 lb. pkg., 25c; doz., \$2.00; $2\frac{1}{2}$ lb. pkg. 50c; doz., \$4.00; 10 lbs., \$1.35.

SPECIAL SEMESAN. Control for brown patch, dollar spot, etc. in bent lawns. Ceiling Prices: 6 lbs., \$9.35; 25 lbs., \$36.00; 100 lbs., \$135.00.

SPECIAL RED ARROW. A pyrethrum spray for controlling leaf rollers and leaf tyers especially. Price per quart, \$4.35; gallon, \$14.50.

SPERGON SEED PROTECTANT. Ceiling Prices: 2 oz., 35c; 1 lb., \$2.25; 10 lbs., \$18.50; 100 lbs., \$153.00.

SPERGON WETTABLE GRADE. Ceiling Prices: 10 lb. drum, \$9.25; 50 lbs., \$43.75; 100 lbs., \$76.50.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling Prices: 5 lbs., 40c; doz., \$3.00; 10 lbs., 75c; 25 lbs., \$1.20; 100 lbs., \$3.20.

TARTAR EMETIC. A spray for the control of Thrip, a life saver for gladioli growers. Ceiling Prices: 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling Prices: Pt., 90c; qt., \$1.50; gal., \$5.50.

TOBACCO DUST (Regular Grade). Ceiling Prices: 10 lbs., 65c; 25 lbs., \$1.35; 100 lbs., \$3.95.

TOBACCO STEMS. Ceiling Prices: 100 lbs., \$2.50; 500 lbs., \$10.50.

TRIO-GEN. Fungicide, insecticide and plant stimulant. Ceiling Prices: A, small kit, makes 16 qts., \$1.50. B, medium kit, makes 64 qts., \$4.00. C, large kit, makes 32 gallons, \$6.00. D, estate kit, makes 128 gallons, \$20.00.

TRITON B-1956. An efficient emulsifier and spreader for insecticides and fungicides. Goes much further than ordinary spreader. Ceiling Price: Per gal., \$6.50.

VERMINE. For eel, cut worms and wire worms working in the soil. Can be applied to all vegetation. Ceiling Prices: $\frac{1}{2}$ pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling Prices: Pint, 50c; gal., \$2.00; 5 gals., \$6.25; 28-gal. drum, \$25.00; 54-gal. drum, \$42.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling Prices: Qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.



RABBIT REPELLENT. With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Ceiling price, per carton of 24 1-lb. pkgs., \$7.20. Retails for 45c, 5 lb. bag retails for \$1.75. Ceiling price per carton of 6, \$7.00.

Items You Can Sell

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

D. D. T. ROTOTEC

A Rotenone Garden Spray. Contains full amount of Rotenone plus 5% D. D. T. necessary for good insect control. 4 oz. bottle retails at \$1.00, price per dozen \$7.20, pint bottle retails at \$2.75, price per dozen \$18.00.

McCORMICKS RED ARROW. Rotenone dust. 2 lb. pkg., 50c; carton of 12 pkgs., \$3.80.

ACME KOPPER KING. A scientific copper compound four times as strong as bordeaux mixture; will not cause bordeaux mixture injury on tomatoes. Ceiling Prices: lb., 45c; doz., \$3.66; case of 24 pkgs., \$7.08; 4-lb. bag, each, \$1.05; per case of 12 bags, \$8.88.

ACME VEGETABLE GARDEN AND FLOWER SPRAY. A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. Ceiling Prices: 1 lb. handy shaker top carton, price, 40c; doz. cartons, \$3.24; per case of 24 cartons, \$6.24; 4-lb. pkgs., per case of 12, \$9.00.

ACME RED RIVER POTATO MIX. A special formula for potatoes. Ceiling Prices: 1-lb. bags, doz., \$2.70; carton of 24 bags, \$5.16; 4-lb. bags, 75c; six for \$4.20; carton of 12 bags, \$7.66.

ANT KILLER. Ceiling Prices: Master $\frac{1}{2}$ -oz. bottles, doz., 75c; 2-oz., doz., \$2.00; 4-oz., doz., \$4.00.

APHIS SPRAY. A combination of Black Leaf 40 and Fish Oil Soap. Ceiling Prices: Per doz. 3-oz. tubes, \$2.70. Retails at 35c per tube.

BAIT-M WITH METALDEHYDE. A double action insect bait for control of Sow Bugs, Cutworms, Grasshopper, etc. 1 lb. pack-age, 25 c, carton of 24, \$4.00; $2\frac{1}{2}$ lb. bags, 50c, carton of 12, \$4.00.

BLACK LEAF 40. Ceiling Prices: Oz. bottles, doz., \$2.78; carton of 24, \$5.56; 5-oz. bottles, doz., \$8.55; 1 lb., \$2.25 ea.; 2 lbs., \$3.25 ea.; 5 lbs., \$6.00 ea.; 10 lbs., \$11.00 ea.

DAWG-GONE. Protects evergreens from dogs. Ceiling Price: Per doz. tubes, \$2.00.

DOGZOFF. Keep dogs and other animals away from trees, shrubs, evergreens, etc. Ceiling Prices: Bottle, 60c; doz., \$4.80; gross, \$46.08.

G&O CROW REPELLENT. $\frac{1}{2}$ pt. retails for 35c, packed 24 to a carton, price per carton \$5.60, pint retails at 55c, price per dozen, \$4.40.

NICOTINE PYROX. 20-oz. jars. Ceiling Prices: Doz., \$4.60; carton of 24, \$8.97; 5 lbs., \$1.50; case of 12, \$15.60; 25-lb. drum, \$6.50; 50-lb. drum, \$10.65.

PYROX. Combination insecticide and fungicide. Ceiling Prices: 25 lbs., \$5.75; 50 lbs., \$8.35.

RED ARROW GARDEN SPRAY ROTENONE. Ceiling Prices: 1-oz. bottles, carton of 24, \$5.40; 4-oz. bottles, doz., \$8.00; pint, \$2.50; qt., \$3.60; gal., \$11.50.

ROTOTEC SPECIAL DEAL. 24 1-oz. bottles and 2 4-oz. bottles, retails for \$10.40. Dealer's price, per deal, \$5.04.

SLUG SHOT, Hammond's. An insecticide for destroying chewing insects. Ceiling Prices: Doz. 1-lb. pkgs. for \$2.40; 5-lb. pkgs., 12 for \$9.60; 25-lb. bag, \$5.50; 50-lb. bag, \$11.00.

TREE TANGLEFOOT. Ceiling Prices: 6-oz. case of 24 cans, \$7.20; 1-lb. cans, per doz., \$7.60; per case of 24, \$14.40; 5-lb. can, \$2.95; case of 6, \$16.87; 10 lbs., \$5.50 each; case of 4 cans, \$21.00; 25 lbs., \$12.00 each.

WETTABLE DUSTING SULPHUR. Put up in attractive 2-lb. cans, which retail at 35c each. Ceiling Price: Per doz., \$2.50.

PROTEXALL SPRAY. A one shot spray protecting plants from most insects, fungi, and bacteria. Contains:

D.D.T. Which kills most garden insects except some aphids, bean beetles and red spiders.

Rotenone. Most effective of pre-war materials, fatal to aphids, bean beetles and red spiders.

Fermate. Greatest discovery in fungicides.

Sulphur. Safest and most effective pre-war fungicide.

Size	Makes	Number to case	Cost to you per case	Retail, each
1 oz.	3 gal.	36	\$ 7.56	\$ 0.35
4 oz.	12 gal.	24	14.40	1.00

PROTEXALL DUST. 1 lb. package retails for 75c. price per carton of 24 packages, \$10.80; 4 lb. package retails at \$2.00, per carton of 12, \$15.84.

Dusts and Pump Guns



ACME TOMATO DUST PUMP GUN. Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use. Retails 55c each. Ceiling price, per doz., \$4.20; carton of 24 pkgs., \$7.92.

ROtenone Garden Guard Pump Gun

GUN. The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use. Retails 59c ea. Ceiling price, per doz., \$4.68. Carton of 24 pkgs., \$9.12.

KALITE ROTENONE BUG DUSTER.

This practical, efficient duster bag contains a pound of impregnated Rothenone Dust. A practical package for dusting Victory Gardens. Price per carton of 24 1 lb. packages, \$5.40; 4 lb. bags, 12 to a carton, \$5.76 per carton; 25 lb. bags, \$3.00 each.



Use original, patented FLORALIFE! Bring customers back for more of your cut flowers because they last 5 to 10 days longer! Blossoms hold color and fragrance. No need to change water or to re-cut stems. Opens buds extra wide!

Handsome, Colorful Counter Displays

FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, \$1.25; last weeks longer! 100 2-qt. size, \$5.00.

FLORALIFE IN BULK

30-qt. size (\$1 retail).....	\$ 0.60
100-qt. size (\$3 retail).....	1.75
250-qt. drum (10 lbs. net).....	4.00
500-qt. drum (20 lbs. net).....	7.50
1000-qt. drum (40 lbs. net).....	13.50
2000-qt. drum (80 lbs. net).....	25.00



BULK SIZES

Wire Stakes and Supplies

PLANT STAKES—A FULL LINE

Bamboo Stakes, Plain and Green Painted.

F.O.B. Chicago Per F.O.B. New York

Bale of

Green.	Per 100	Per 1000	2000	Per 100	Per 1000
1 1/2 feet...	\$0.95	\$5.25	\$9.90	\$0.85	\$5.00
2 feet...	1.20	6.50	11.50	1.15	6.20
2 1/2 feet...	1.40	8.50	16.00	1.25	8.25
3 feet...	1.65	9.50	18.50	1.50	9.00
3 1/2 feet...	2.25	10.50	19.80	1.95	10.00
4 feet...	2.50	11.75	22.00	2.25	11.25

Natural.

6 feet...	2.75	18.50	2.50	17.50
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Write for price in bale lots.

Write for price on Green Painted light and heavy wood stakes.

Galvanized Steel Wire Stakes. Far superior to wooden stakes and practically indestructible. We supply largest buyers. Price subject to change without notice. We can also supply 12-gauge stakes, write us for price on quantities, delivered to your nearest freight depot.

No. of Gauge—

No. 9 Wire	No. 8 Wire					
Per	Per	Per	Per	Per	Per	
100	500	1000	100	500	1000	
3 ft...	\$2.00	\$ 9.25	\$16.50	\$2.60	\$12.00	\$19.75
4 ft...	2.40	10.75	18.75	3.10	13.50	22.75
5 ft...	3.10	14.00	25.75	3.85	17.00	28.50
6 ft...	3.65	16.00	29.75	4.65	18.75	32.50



PLANT TIES, Lighting Wire. Per box of 1000, \$2.00; 5 or more boxes, \$1.95 per box. Shipping weight per box, 2 lbs.

CLIP, Blake's New Loop Lever. For roses, mums, etc., up-to-the-minute stake holders; holds stakes with firm grip. Loop clips allow you to remove and replace any stake any time.

They never slip and are a great saving in time and money. Price, \$2.00 per 1,000, 5,000 for \$9.50. Samples mailed free.

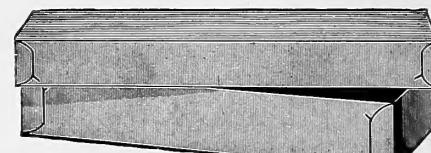
STAKE FASTENERS. Everlasting, packed 500 to a box, per box, \$1.35; 10 boxes or more, \$1.25 each.

BEE BRAND INSECT REPELLENT

The odorless, greaseless and stainless liquid that acts like an invisible barrier to annoying flies, mosquitoes, gnats, chiggers, red bugs, deer flies, etc. Same formula that was used in the Pacific by the U. S. Armed Forces. Harmless to the skin when used as directed. Put up in attractive 2 oz. bottles—Retails 35c each. Packed 12 to display carton—Price per carton, \$2.52.

RAFFIA. Natural, Best Grade, F. O. B. Chicago. Lb., 65c; 5 lb. lots, per lb., 60c; 10 lb. lots, per lb., 58c; 25 lb. lots, per lb., 55c; 100 lb. lots, per lb., 53c. Bale lots about 225 lbs.), per 100 lbs., \$52.00.

Dyed—Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., at 95c; 10 lbs. at 90c; 25 lbs. at 80c. Samples on application.



CUT FLOWER BOXES—WHITE

Full Telescope patent coated.

24x5x3 1/2.....	\$7.90 per 100
30x5x3 1/2.....	8.20 per 100
28x8x5.....	12.95 per 100

WHITE CORSAGE BOXES

9x5x4.....	\$6.50 per 100
12x5x4.....	6.85 per 100

Owing to the uncertainty of the manufacturers making deliveries of our regular grade of green cut flower boxes and gray design boxes, we are not offering these in this book. We may be able to furnish some of these boxes and we refer you to our 1943 catalog for sizes. Our price on these boxes would be the same as 1943 unless the manufacturers are permitted to advance our cost.

PUTTYTAPE.

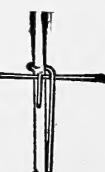
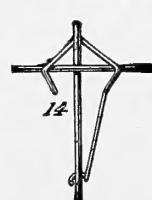
A wonderful new method of glazing new ever soft gum now mounted on tape, made of lead foil to protect it, comes to you in handy rolls. Just unroll on the sash and bars, price, 100 ft., \$3.50; per 1,000 ft., \$30.00.

GLAZING PUTTY. Gun Grade. A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., \$2.10; 5 gal. can, \$10.00; 30 gal. drum, \$55.00.

PUTTYROPE. A great new improvement for glazing and caulking, easy to apply, won't deteriorate, run or get brittle. 100 ft. to a box. 100 ft., \$1.00; 700 ft., \$3.75. F. O. B. Pana, Illinois.

GARLAND WHITE SHADING COMPOUND. 25 lbs. is equivalent to 2 gals. 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$13.00; 200 lbs., \$24.00; 300 lbs., \$35.00; 500 lbs., \$55.00. F. O. B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

TAMM'S SHADING COMPOUND. Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. keg, \$9.00; Barrel of 400 lbs., \$28.00. Green, 2c per lb. higher.



D. D. T.-Yamtox

Use of DDT alone seems to have a tendency to increase the infestation of other insects that it does not control. This may be due to killing off desirable parasites, or freeing them from competition. DDT Yamtox contains the full complement of rotenone necessary for the control of red spiders and other mites, thrips and aphids. The incorporation of 5% DDT in it widens its range of use to the satisfactory control of tarnished plant bug and leaf rollers. Where the plants are easily damaged, or where it is desired to spray open flowers of mums, or to dip the entire plant, as in the case of cyclamen mite, Yamtox DDT sure fits the bill.

Yamtox is a concentration of the active principles of the Yam Bean (*Pachrhizus erosus*). The Yam Bean affects many insects in much the same manner as Rotenone and seems to be the nearest approach to it. It has been used for centuries in the control of pests on vegetables in some parts of China. In Yamtox the toxic effects of the bean are extracted to make them as available as possible. They are further strengthened by chemicals of proven toxicity. Especially recommended for the control of Plant Lice, Red Spider, Thrip, Cyclamen Mite, Cabbage Worms, and most other insects that are controlled by Rotenone. It is very mild upon Plant Growth and safe to use even on most tender plants. Price per gallon, \$12.00; case of 6-1 gallon cans, \$11.00 per gallon; 30 gal. drum, \$270.00.

D. N. DUST No. 12

To control Red Spider Mite and Thrips on Roses, Calla Lilies, Snapdragons, Gardenias and Carnations. Control should be obtained before blooming period. If an application is necessary during bloom-time all marketable blossoms should be cut before dust is applied.

Packed in 10-lb. bags each, \$4.50; per case of 5 10-lb. bags, \$20.00.

D. N. SULPHUR DUST No. 10—For Carnations

Effectively controls Red Spider Mite, Thrips and Rust. One pound of dust will cover from 400 to 800 square feet of bench space, depending on size of plants effective both in field and greenhouse. Non-injurious to plant foliage. Like D. N. No. 12 should be applied before blooming period. Effective under varied conditions of temperature and humidity. Put up in 10-lb. pkgs. each, \$3.50; per case of 5 10-lb. pkgs., \$16.25.

TARTAR EMETIC

A spray for the control of Thrip, a life saver for gladiolus growers. Price, 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

STIMROOT

An improved rooting compound which has been developed after extensive testing by a well known research organization. It contains several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that helps retard the development of many kinds of fungi that contribute to the rot of cuttings while in the cutting bench. It is so formulated that a small amount of dust will effect a complete and even coating on each cutting. In this way a pound of dust will go further. Price, $\frac{1}{4}$ oz. packet retails at 25c, per dozen, \$1.80; 2 oz. retails at \$1.00, per dozen \$7.20; 1 lb. retails at \$5.00; each \$3.25; six for \$18.00.

A Beautiful, Practical, Paper White Display



Vaughan's Paper White Display Box as Illustrated, together with

100 Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	\$12.00
100 Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	15.00
100 Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	18.00

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in an illustrated bag which prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides \$24 to \$36 sales at 100% profit. Why let chain stores get sales which should be yours?



PANSY

Vaughan's Super Swiss
Giant Mixed